SDMS US EPA REGION V -1

SOME IMAGES WITHIN THIS DOCUMENT MAY BE ILLEGIBLE DUE TO BAD SOURCE DOCUMENTS.



P.O. Box 66800 St. Louis, MO 63166-6800 618/337-6000

Certified Mail

December 3, 1992

Ms. Deanne Virgin
Compliance Unit
Planning and Reporting Section
Illinois Environmental Protection Agency
2200 Churchill Road
P.O. Box 19276
Springfield, Illinois 62794-9276

Re: Response to Compliance Inquiry Letter 1631210008-St. Clair County Cerro Copper Products Co Sauget, Illinois ILD080018914

Dear Ms. Virgin:

In response to your November 19, 1992 Compliance Inquiry Letter, enclosed you will find two copies of Cerro's explanation and documentation of compliance to the alleged violations noted during the IEPA's October 20, 1992 inspection.

I. 35 Ill. Adm. Code 722.134 (a) (2) & (3) - Unlabeled Drums

Cerro recognizes that there were two drums stored in the contaminated waste oil storage area which were not properly labeled. Apparently the labels had fallen off, since one of the labels was found on the ground near the drums. Cerro plans to reinforce the importance of labeling with those employees responsible for the storage area. The storage procedures will be posted in the storage area office for frequent review by employees and a sign will be erected outlining the storage requirements including labeling requirements as a reminder. A copy of the posted procedures and a draft of the wording on the sign are found in Appendix A. The sign is expected to be completed by 12/15/92.

A copy of the Contingency, Emergency Response & Preparedness Plan is found in Appendix B. The hospital emergency arrangements during medical emergencies is outlined in Section IV, page 3 of the Plan. Cerro has a nurse on staff and a well equipped medical dispensary on its premises.

III.35 Ill. Adm. Code 725.152(e) - Emergency Equipment Included In Contingency Plan

A copy of the updated Contingency Plan showing the location and



CERRO COPPER PRODUCTS CO.

type of emergency equipment is found in Appendix B.

IV. 35 Ill. Adm. Code 725.153(b) - Contingency Plan Copy to the
Police, Fire Dept., Hospitals and Local Emergency Coordinator

Cerro's Contingency, Emergency Response & Preparedness Plan was submitted to those agencies listed above on October, 26, 1992. Documentation of receipt is found in Appendix C.

V. 35 Ill. Adm. Code 725.294 - Hazardous Waste Oil Tank Freeboard And Spill Control

A high level alarm system will be installed by 1/1/93 to prevent the overfilling of the waste oil tank and to indicate to the operator that filling is to be discontinued to allow for free-board. This open topped tank is filled manually without the use of pumps. To prevent the unauthorized filling of the tank and to keep windblown rain from causing overflow, a metal door will be installed along the west side of the tank. The installation of the door is expected to be completed by 1/15/92, weather permitting.

VI. 35 Ill. Adm. Code 725.295(a) - Hazardous Waste Oil Tank Daily Inspections

A copy of the revised hazardous waste storage daily inspection form is found in Appendix D. The new form covers those items in 725.295(a)(1-4). The usage of the new inspection began on 12/3/92.

VII.35 Ill. Adm. Code 728.107(a)(6) - Land Ban Certification On-Site Copies Retention

A copy of the Land Disposal Restriction notification forms for those missing form our files have been obtained from the disposal site. Copies are found in Appendix E.

If your should have any questions, please do not hesitate to phone this office.

Very truly yours,

CERRO COPPER PRODUCTS CO

Joseph M. Grana

Manager of Environmental

Energy Affairs

cc: Chris Cahnovsky (IEPA-Collinsville)

bcc: P. Tandler (w/o attachments)

R. E. Conreaux

J. D. Burroughs (w/attachments)

APPENDIX A DRUM STORAGE PROCEDURES

HAZARDOUS WASTE STORAGE AREA REQUIREMENTS

Cerro is allowed to store hazardous waste for a period not to exceed 90 days without having a permit. However the guidalines below must be followed for the storage area.

A. Contaminated Waste Oil Tank

- 1. The contaminated waste oil tank containment area must be maintained free of oil.
 - 2. Daily inspections must be made and recorded daily.
- 3. If a spill should occur into the containment the material must be removed within 24 hours.
- 4. The tank and/or the area around the tank must be clearly marked "Hazardous Waste". (265.34(a)(3)
- 5. The spill and overflow alarm system must be in working order.
- 6. The tank must not be leaking or rusting and must never be overfilled.

B. Drum Storage

- 1. All drums holding hazardous waste must be in good condition. Leaking containers must have their contents transferred to another container.
- 2. A drums holding hazardous waste must always be closed except when removing or adding waste.
- 3. A drums holding hazardous waste must not be handled in such a way as to cause it to rupture or leak. Do not stack more than two high and always use pallets when stacking.
 - 4. The drum storage area must be inspected weekly.
- 5. The date upon which accumulation begins must be clearly marked on the drum. This date is the date the waste is placed in the storage area after using the Chlorine test kit to determine if it is contaminated with solvent.
- 6. The drums is clearly marked "Hazardous Waste". Use the red labels provided. Clean the area to be labeled because it will not stick to an oily surface. Remove the label once the waste is removed from the drum.

APPENDIX B

CONTINGENCY, EMERGENCY RESPONSE & PREPAREDNESS PLAN

CERRO COPPER PRODUCTS, CO.

EMERGENCY RESPONSE

<u>PLAN</u>

EMERGENCY RESPONSE PLAN - DISTRIBUTION

COPY	* #	
MAST	ER	SAFETY - J. GEHLHAUSEN
1		R. E. CONREAUX
2	!	P. TANDLER
3	}	TUBE MILL OFFICE - E. PERSCHBACHER
4		BUILDING 80 - T. YOUNG
5	į.	BUILDING 19 - M. CHITWOOD
6	i	TANKHOUSE OFFICE - B. GROVES
7		METAL RECEIVING - R. FOWLKES
8		CENTRAL MAINTENANCE - M. MC NERNEY
9		TUBE MILL MAINTENANCE OFFICE - J. MILLER
10		FOUNDRY MAINTENANCE OFFICE - P. PLUMMER
11		SECURITY - T. HANRATTY
12		PERSONNEL - A. FINKELSTEIN
13		ADMINISTRATION OFFICE - E. KING
14		SALES OFFICE - F. MURPHY
15		ENGINEERING - J. HINTZ
16		J. R. MATCUK
17		H. L. SCHWEICH
18		REFINERY & FOUNDRY OFFICE - J. DAVIS
19		CENTRAL MAINTENANCE - R. THOMPSON
20		SAFETY - S. BAHNO
21		TRAINING - B. NOVACK
22		LABORATORY - J. SCHUSTER
23		TUBE MILL OFFICE - S. FULLER/K. WISECARVER
24		ANODE - J. FERRELL

EMERGENCY RESPONSE PLAN

TABLE of CONTENTS

- I. GENERAL INSTRUCTIONS EMERGENCY RESPONSE PLAN
- II. EMERGENCY EVACUATION PLAN

III. UTILITIES

- 1. Main Power Distribution
- 2. City Water Main Shut Off Valves
- 3. Plant Layouts Utility Shut Off Valves
 - a) Water
 - b) Natural Gas
 - c) Liquid Oxygen & Nitrogen
- IV. FIRST AID & MEDICAL -
 - 1. Emergency Triage Plan
- V. COMMUNICATIONS
 - 1. Two-way Radio Distribution
 - 2. Power Failure Telephones

VI. EMERGENCY CONDITIONS

- 1. Fire Prevention & Emergency Procedures
- 2. Critically Ill or Injured Personnel
- 3. Bomb Threat (Not Included)
- 4. Chemical Spills
- 5. Air Contaminant Emmissions Alert
- 6. Earthquake





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EMERGENCY RESPONSE PLAN

PURPOSE

This plan covers the response necessary in case of any occurrence which may endanger employees on a large scale and/or do major damage to Plant buildings, utilities and equipment.

The Plan covers:

- 1. Natural disasters such as earthquake or tornado.
- 2. Major fire or explosion internal or external to the Plant.
- 3. Toxic discharges from neighboring industries.

GENERAL

For the purpose of describing the response necessary, the severity of the situation must be considered. For the purpose of this plan, three levels are established:

- LEVEL ONE Damage is minor and is essentially of a localized nature if it does occur. Response for the most part may consist of first aid or medical assistance for a few employees and minor repairs to equipment. Assistance from local emergency agencies may be necessary. Previously designated Management personnel should be notified.
- LEVEL TWO Damage is relatively widespread but for the most part not life threatening. Assistance from local emergency agencies is necessary but may not be quickly available because of other calls. Key Management personnel will be notified and will attempt to reach the Plant if possible. Organized response on a plant wide basis will be necessary. Heavy windstorms, earthquakes with an intensity of 6 to 7 on the Richter scale, serious problems at neighboring industries, etc. would fit this level.
- LEVEL THREE Damage and injury are widespread. Assistance from local emergency agencies is needed but probably not available for some time. Organized response on a plant wide basis is necessary to help the injured, avoid secondary fires and explosions, limit the exposure to electricity, and fight fires. Tornados, major earthquakes and similar disasters are Level Three.

RESPONSIBILITIES AND DIRECTION OF ASSISTANCE

LEVEL ONE - Production and Maintenance Supervision within the Departments affected will handle the situation with proper notification to Security and designated Management and Safety Department Personnel. During normal business hours the various Maintenance and Production Supervisors, General Foreman and Managers will coordinate their efforts. At night the Tube Mill General Foreman will have overall responsibility for the Tube Mill. Foundry and Refinery Supervisors will coordinate with Maintenance Supervision in their areas.

LEVEL TWO AND THREE - A command post will be set up:

DURING NORMAL BUSINESS HOURS - The command post will be in the Plant Manager's office and adjoining offices. It will be moved to the closest suitable building if those offices are severely damaged. Radio communications will be set up on the various plant channels and the . Engineering and Maintenance Managers will direct their staffs from this location.

NIGHT TIME DURING THE WEEK - The command post will be set up in the Security Department and the Security Director's office. The Tube Mill General Foreman will assume overall plant responsibility until relieved by a senior plant official. He will move the command post to another close-by location if necessary. Radio communications will be set up on the various plant channels.

WEEKENDS AND HOLIDAYS - If a General Foreman or other Management personnel are not present, then the senior Maintenance Department Supervisor will take overall responsibility until relieved. The command post will be set up at Security as described above.

PRIORITIES - The procedures of this plan are intended to accomplish the
following:

- 1. PREVENTION OF SECONDARY FIRES AND EXPLOSIONS Depending on the severity of the situation, it may be necessary to shut off part or all of the natural gas, electricity and other utilities to prevent additional injury or damage.
- 2. RESCUE AND FIRST AID Freeing and treating injured personnel will be given the highest priority with the exception of making it safe to do so.
- 3. EVACUATION IF NECESSARY.
- 4. EXTINGUISHING OF FIRES AND SECURING OF OTHER UTILITIES AND EQUIPMENT IF NECESSARY.
- 5 INSPECTION OF BUILDINGS AND EQUIPMENT TO ASSESS DAMAGE AND TO DETERMINE IF THEY ARE SAFE TO ENTER OR USE.
- 6. ASSISTANCE TO UNINJURED EMPLOYEES A small supply of water, food and shelter will be available in the plant in case some employees are unable to leave because of transportation problems and employees remaining to assist at the plant.

CERRO COPPER LEVEL 3

EMERGENCY RESPONSE PROCEDURE

- A. Shut off earthquake valve Gl and Cerro supply valves G2 and G3 to stop flow of natural gas. These valves are located at the gas house behind the Tube Mill.
- B. Isolate liquid oxygen facilities next to Sales Office and at Bldg. #19. Shut both valves off.
- C. Isolate propane tank next to parking lot by shutting off valve at bulk tank.
- D. Isolate hydrogen trailers on road behind Tube Mill by closing shutoff valves.
- E. Water can be shut off by closing valves indicated as W9, W10 and/or W1 on utilities drawing. Unless it is an extreme emergency, do not shut off W9 or W10 before contacting Illinois American Water Company 277-7450.
- F. Power can be isolated by dropping any or all of the four main feeders located next to the fence between the Sales Office and the Cafeteria.

TECHNICAL SERVICES 1990

EMERGENCY COORDINATORS

HAZARDOUS WASTE CONTINGENCY EMERGENCY & PREPAREDHESS PLAN

HOME PHONE IN CASE OF:

MAJOR PLANT BREAKDOWN 1 st - Maint. Supv. on duty in plant

INCLUDING BROKEN GAS OR 2 nd - Maint. General Foreman or Supt. on call.

WATER LINES: 3 rd - M. McNerney

4 th - R. Thompson (electrical)

1 st - J. Gehlhausen FIRE OR SERIOUS ACCIDENT:

2 nd - P. Tandler 3 rd - R. Conreaux (call all three)

4 th - A. Finkelstein

ENVIRONMENTAL ALERT, 1 st - J. Grana

2 nd - P. Tandler SPILL, ETC. 3 rd - R. Conreaux

4 th - J. Burroughs

WASTEWATER SEWER 1 st - T. Cornwell PROBLEM: (If Maint. 2 nd - J. Staples Supr. not available.)

PLANT PHONE NUMBER - 618/337-6000

A CALL TO CERRO"S SECURITY DEPARTMENT AT THE NUMBER WILL PROVIDE ACCESS TO THE EMERGENCY COORDINATORS LISTED ABOVE.

EMERGENCY EVACUATION PLAN

GENERAL

Depending on the type and degree of any emergency situation, a partial or full evacuation of one or several buildings may be called for. The Emergency Coordinator, or in his absence, his designated representative, may order a building or plant evacuation as he deems necessary.

Should an evacuation be ordered, employees will proceed in a prompt and orderly manner to their designated Safe Area.

DESIGNATED SAFE ASSEMBLY AREAS

- 1. Designated Safe Areas have been established throughout the plant facility (refer to facility and individual building diagram maps for locations).
- 2. All employees will be assigned a designated Safe Area in which to assemble in the event of an evacuation.

EVACUATION ROUTES

- 1. Each department shall ensure all of its employees have been trained and clearly informed of the location they are to assemble, and the various routes available should an evacuation be ordered.
- 2. Evacuation route maps for each department/building shall be clearly posted for employees to review.

EVACUATION RESPONSIBILITIES

- 1. Every Supervisor is to keep a copy of the daily shift schedule for his area in his possession. Each Department shall maintain a master list of employees including their shift assignment. These lists will be utilized to do a first and final accounting of all hourly employees. In the case of an emergency, the Department master list will be brought to the Emergency Control Center by a Supervisory employee familiar with it.
- 2. Each Supervisor will be responsible for evacuating the employees under his supervision to the appropriate designated safe area for his Department. A head count will then be made with a check placed next to each person present or, if not present but accounted for, an appropriate remark such as, "Absent from work," will be made. If an employee is out of his assigned work area when an evacuation is called, he will report directly to his designated Safe Area. If unable to do so, he will report to the nearest Supervisor in any Safe Area, who will then note the employee's name, number and Supervisor on his list and notify the Command Center. If an employee is unaccounted for the Supervisor will immediately alert the Emergency Coordinator or his staff in the Command Center and will initiate an immediate search if it is safe to do so. The Emergency Coordinator and his staff will provide additional search and rescue assistance if the employee has not been reported in another area.
- 3. Each Department Head or Senior Supervisor will be responsible to make a head count of salaried department personnel and report the status.

- 3. Each Department Head or Senior Supervisor will be responsible to make a head count of salaried department personnel and report the status.
- 4. After the head count the marked schedule lists will be carried to the Command Center. The Supervisor familiar with the master list or a staff member will copy the information onto the department roster in order to double check for the accountability of all personnel. It will be important to report any personnel who may be found outside their normal evacuation area such as those on lunch break. Every effort will be made to account for every hourly and salaried employee.
- 5. Any employee leaving the facility during an emergency requiring an evacuation shall give his name and employee number to the Security Guard at the Main Plant entrance. Employee numbers and/or names obtained by the Security Guard will be forwarded to the Emergency Coordinator in the Command Center.
- 6. Evacuation of plant visitors shall be the responsibility of the party being visited.
- 7. All outside contractors shall be appraised of the Emergency Evacuation Plan and evacuation routes by the Project Engineer.

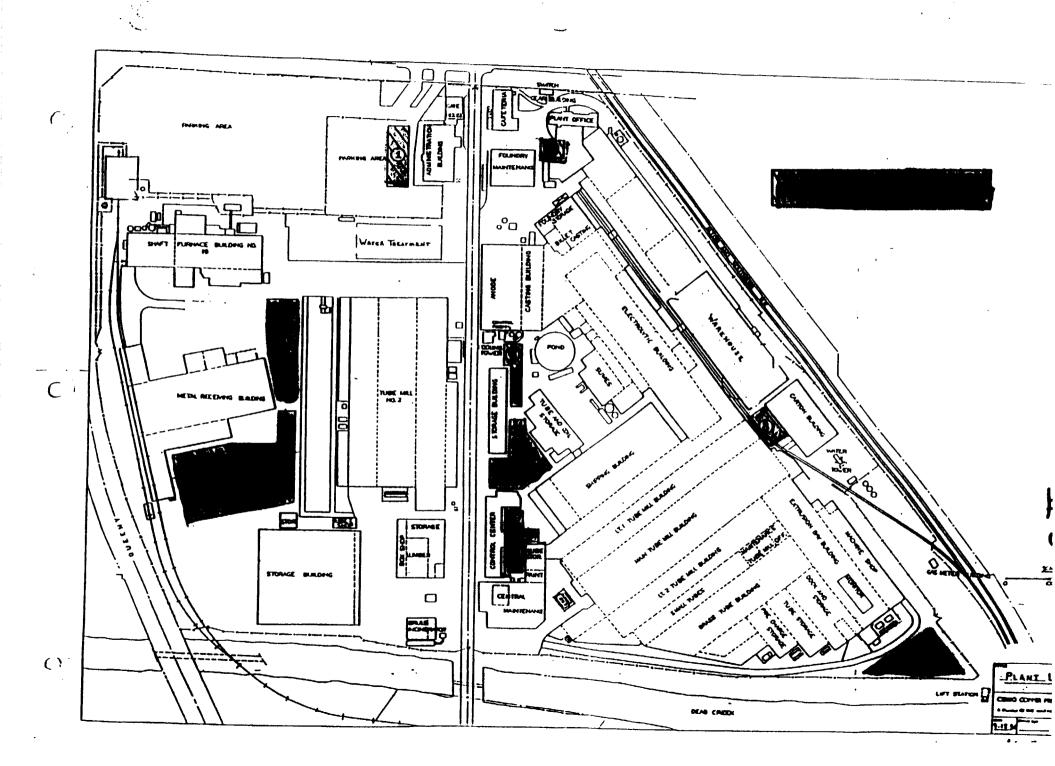
EVACUATION RULES TO FOLLOW

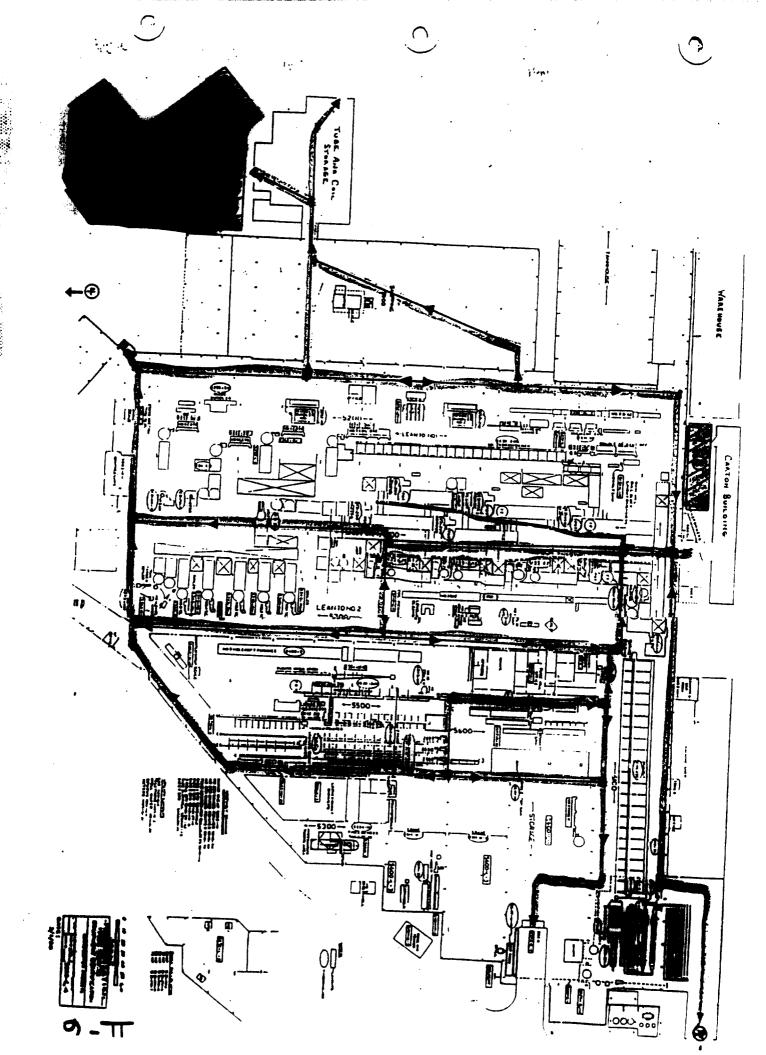
- 1. Evacuate in an orderly manner. Walk, don't run.
- 2. Do not attempt to drive a vehicle to your designated Safe Area. There will be too much pedestrian traffic and confusion to safely have a vehicle moving about.
- 3. All vehicle movement must come to a stop during an evacuation. Shut the engine off and set the brake.
- 4. After performing emergency shutdown duties, proceed directly to your designated Safe Area. Do not "lollygag", since a headcount will be taken to make sure everyone got out of their area safely.
- 5. Do not leave the plant property. We must account for everyone.
- 6. Do not stay in your work area during an evacuation. If an evacuation is ordered, the condition is considered serious. Get out and head to your designated Safe Area.
- 7. Do not re-enter any buildings that have been evacuated until the "all clear" is announced.
- 8. Hard hats and safety glasses must be worn at all times during an evacuation.
- 9. Horseplay of any kind is forbidden during an evacuation.
- 10. Departments are to maintain an up to date roster of their employees in order to take a proper and accurate head count.
- 11. The supervisor on duty has the responsibility for evacuating the employees from his work area. If an employee has a walking handicap, that employee shall be evacuated first.
- 12. The head count will be the responsibility of the senior supervisor in each designated Safe Area. A list of assembled employees for each area shall be forwarded to the Emergency Coordinator in the Command Center.
- 13. Plant visitors shall evacuate with the party they are visiting.
- 14. Outside contractors working in the plant are to be appraised of the evacuation plan and routes by the Project Engineer. They will be expected to evacuate in the same manner as Cerro Copper employees.
- 15. After announcing the evacuation, one supervisor must remain behind long enough to check for stragglers. When he is sure everyone is out of the area, the supervisor shall evacuate to the designated Safe Area.
- 16. Only designated emergency personnel will be allowed to enter any evacuated buildings.
- 17. All plant roadways shall be kept open during an evacuation for movement of emergency vehicles.

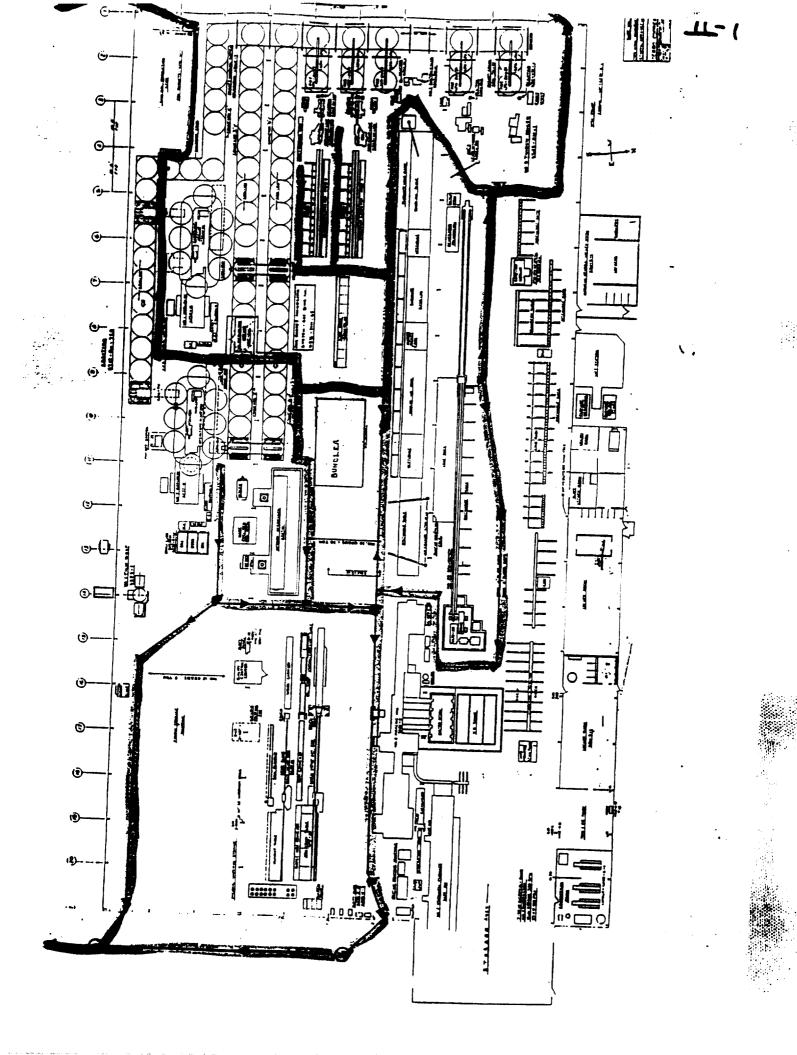
EVACUATION PLAN

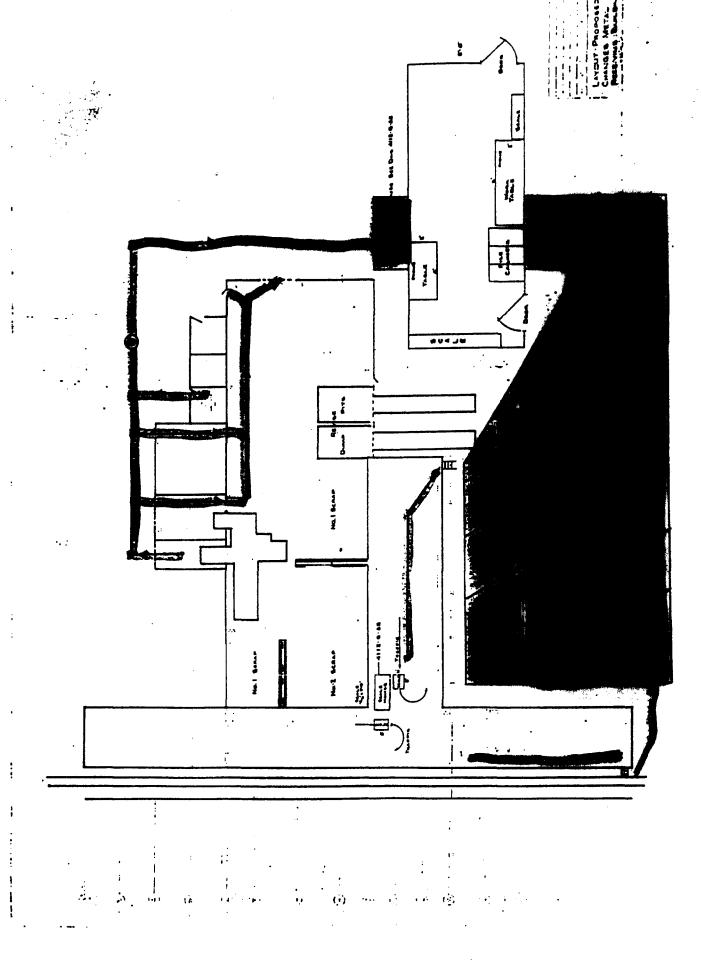
Designated Safe Areas

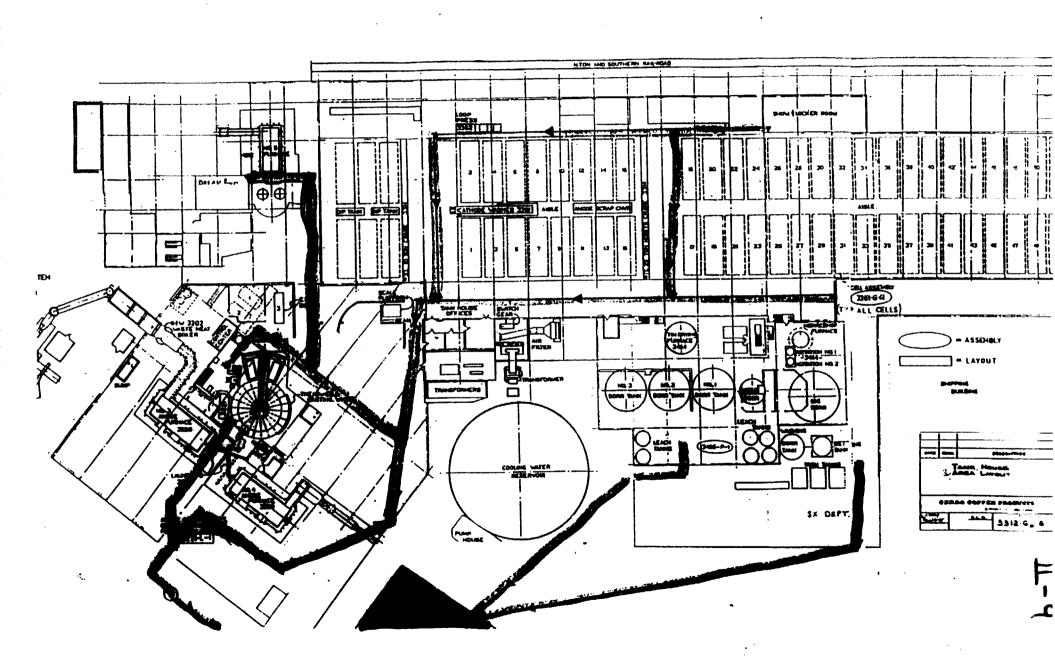
Building-Department/Work Area	Safe Area
Administration - General Administration Personnel	I 1
Plant Office - Sales	7
Cafeteria	7
Control Center - Laboratory Safety/Environmental Engineering	5 5 4
Building 19 & Spotters	2
Metal Receiving	3
Anode	6
Tankhouse & Slimes/SX	6
Tube Mill - All Work Areas Shipping & Spotters	4, 5, 8 or 9 5
Building 80 and Box Shop	2 or 3
Maintenance - All Maintenance Personnel Central Stores	4
Tube Coil Storage Bldg Technical Services	4
Storage Building - Lab Storage Cart Repair Shop Refractory Shop	5 or 6 4 5 or 6
Water Treatment Plants	2
Vandamu I ahanans	£

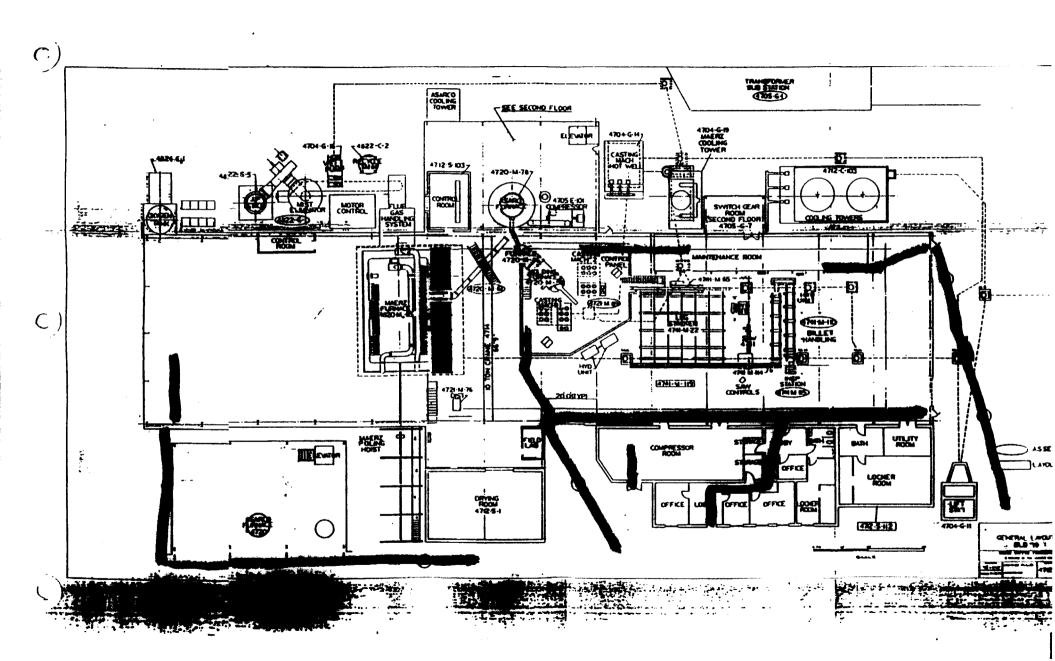


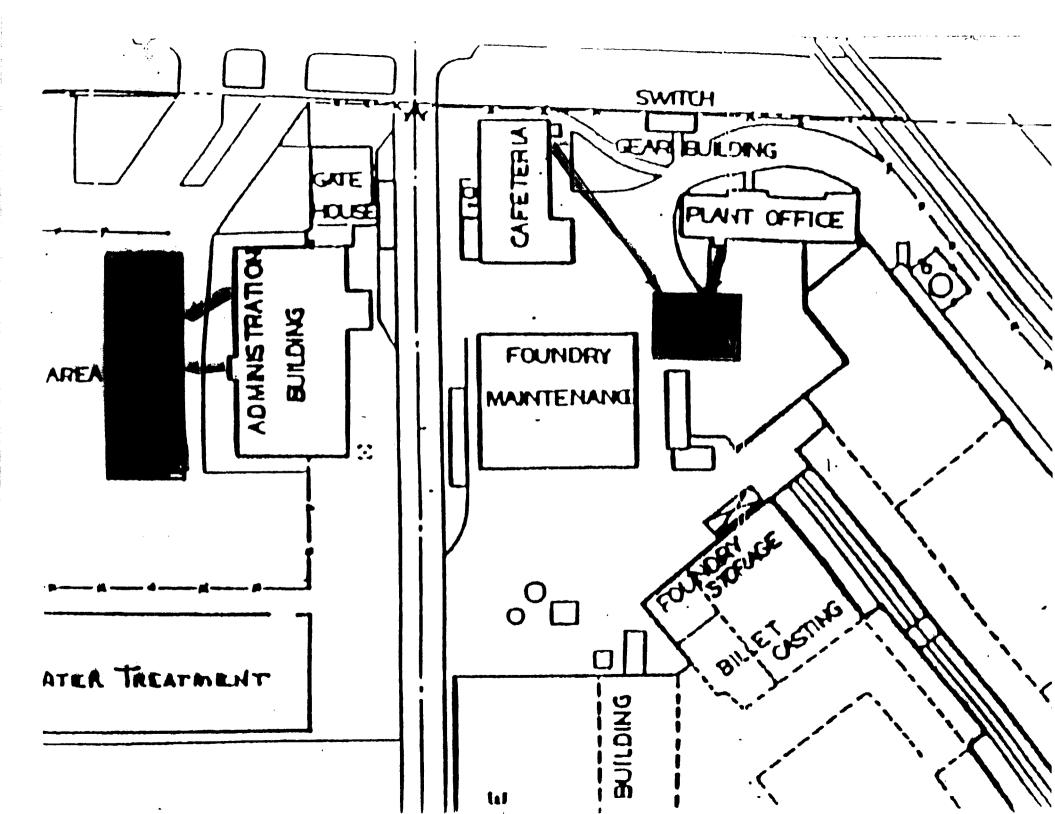












I. LEVEL ONE - MINOR DAMAGE

A. Normal Business Hours

- 1) The Safety Director and Plant Nurse will be called to the area by dialing extension 210 to coordinate the care of the injured.
- 2) The Safety Engineer and Training Officer will assess and secure the area to prevent additional injuries. Injured employees will be moved to a safer area if deemed unsafe by the medical staff or supervisor in that area.
- 3) Medical supplies from the Dispensary will be used for treating the injured.
- 4) Security will call for an ambulance if requested by the medical team.

B: Night Time, Week-end and Holidays

- 1) Supervisors in the area will coordinate with personnel from Central Stores and Lab to treat the injured employees.
- 2) The triage team will determine the most suitable area for treatment and if it is necessary to transport the injured to the hospital.
- Security should be contacted by the triage team if an ambulance is necessary.

II. LEVEL TWO AND THREE - WIDESPREAD DAMAGE

A. Normal Business Hours

- 1) The Control Center will be the designated area for triage of all injured employees.
- The Safety Director and Plant Nurse will coordinate with the personnel from Central Stores and the Lab in assessing and treating the injured.
- 3) Emergency medical supplies stored in the Lowry Building will be brought to the Control Center by the medical staff. An electric cart or other means of transportation should be provided for this if possible.
- 4) The Safety Engineer, Training Officer and Environmental Staff will coordinate with the Command Post to assist in extricating and transporting the injured to the triage area.
- 5) Clerical personnel from the Dispensary and Lab will immediately start documenting all actions and responses during the disaster.

- B. Night Time, Week-ends and Holidays
 - 1) Personnel from Central Stores and the Lab will coordinate with the Command Post or designated personnel in charge to set up a triage area in the Control Center.
 - Security will unlock all areas in the Control Center needed to adequately treat the injured.
 - 3) Emergency medical supplies stored in the Lowry Building will be brought to the triage area immediately by medical personnel. Security will have to unlock the Lowry Building.
 - 4) The first response medical team will begin triage as soon as is possible. Assistance from other members of the medical or management staff will be made available as soon as is practical and their efforts will be coordinated.

1. DISPENSARY VISIT AUTHORIZATION SLIP

TO BE TREATED IN THE DISPENSARY, THE EMPLOYEE MUST PRESENT THIS SLIP FROM HIS SUPERVISOR UNLESS IT IS AN EMERGENCY. NO SLIP - NO TREATMENT!

2. NON-OCCUPATIONAL INJURY/ILLNESS

- A. QUESTION THE EMPLOYEE TO FIND OUT WHERE THE INJURY OCCURRED. LET THEM TELL YOU IN THEIR OWN WORDS. GET A DEFINITE STATEMENT OF TIME AND PLACE.
- B. IF THE INJURY DID NOT HAPPEN AT WORK, BE SURE TO NOTE THAT ON THE DISPENSARY LOG. MINOR FIRST AID CAN BE GIVEN (BANDAGES, ETC.), BUT REFER EMPLOYEE TO HIS FAMILY DOCTOR FOR CARE.
- C. IF THE EMPLOYEE IS SICK, THAT SHOULD BE NOTED ON THE DISPENSARY LOG. THEY CAN BE GIVEN NECESSARY MEDICATION, BUT IF THEY ARE ASKING TO BE SENT HOME (ON2ND OR 3RD SHIFT), THEY SHOULD BE SENT BACK TO THEIR SUPERVISOR TO MAKE THAT DECISION.
- D. IF THE EMPLOYEE CAN'T DRIVE HOME, TRANSPORTATION SHOULD BE ARRANGED.

3. DISPENSARY LOG

- A. LOG ALL DISPENSARY VISITS AND FILL IN ALL REQUIRED INFORMATION.
- B. BE SURE TO PUT DOWN THE EXACT INJURY LOCATION: WHICH HAND, WHICH FINGER, ETC.

4. HOSPITAL CASES (OR CLINIC)

- A. IF AN EMPLOYEE IS SENT TO THE HOSPITAL, BE SURE TO MARK IT ON THE DISPENSARY LOG.
- B. WHEN AN EMPLOYEE RETURNS FROM THE HOSPITAL, MARK ON THE DISPENSARY LOG HIS RETURN TIME AND IF HE WENT HOME OR RETURNED TO WORK.
- C. USE MEMORIAL HOSPITAL IN BELLEVILLE. SEND TO ST. MARY'S IN EAST ST. LOUIS ONLY IN DIRE EMERGENCY WHEN TIME IS CRITICAL.
- D. THE NORMAL MEANS OF TRANSPORTATION TO THE HOSPITAL IN NON-EMERGENCY CASES IS BY SERVICE CAR FROM BRAUN FUNERAL HOME.
- E. NOTIFY HIS SUPERVISOR WHEN YOU SEND AN EMPLOYEE OUT OF THE PLANT.
- F. WHEN AN EMPLOYEE IS SENT TO THE HOSPITAL, USE THE "HOSPITAL TREATMENT AUTHORIZATION FORM". WHEN HE RETURNS TO THE DISPENSARY, SEND A COPY TO HIS SUPERVISOR AND LEAVE A COPY IN THE DISPENSARY.

5. AMBULANCE

- A. CALL THE GUARDS TO CALL THE AMBULANCE. THEY MUST KNOW THE AMBULANCE IS ON ITS WAY IN ORDER TO CLEAR A PATH THROUGH THE GATE.
- B. USE BRAUN FUNERAL HOME AS THE PRIMARY SOURCE FOR AN AMBULANCE. OTHERS ARE LISTED.

6. FOLLOW-UP CARE

WHEN AN EMPLOYEE RETURNS TO THE DISPENSARY FROM THE HOSPITAL OR CLINIC, WRITE THE TIME THAT HE RETURNED ON THE LOG AND WRITE, "GIVEN FOLLOW-UP CARE SHEET". THEN GIVE HIM A COPY OF THE FOLLOW-UP CARE INSTRUCTION SHEET.

7. EYE INJURIES

SEND EYE INJURIES TO MEMORIAL HOSPITAL.

Revised 4/9/92

CERRO COPPER PRODUCTS CO.

EMERGENCY RESPONSE PLAN

"COMMUNICATIONS"

LEVELS TWO AND THREE

RESPONSIBILITIES

A. Normal Business Hours:
A command post will be set up in the Plant Manager's Office and in the adjoining offices; if these offices are severely damaged, the Command Post will be moved to the closest suitable building.

COMMUNICATIONS

- A.* A 3-channel racio will be taken from the Plant Nurses Office by the Training General Foreman and delivered to the Command Post. The radio will switched to Channel 1 (Plant Maintenance Channel.
 - * Channel 1-Maintenance Channel 2-Security, Receiving, Shitt Channel 3-Safety

There are 3 more <u>Safety Dept.</u>
Radios:

- Safety Manager
- 2. Safety Engineer
- Training Seneral Foreman

These individuals will maintain their radios on Channel 1 also.

The Training General Foreman will also get a second radio from either Shipping or Metal Receiving and take to the Command Post. This radio will be for open communications with Security.

B. A Security Officer will get a safety radio from the Plant Nurse's Office, give to the Tube Mill General Foreman. This radio can be operated off Channel 1 - Maintenance Channel 2 - Security.

Security will also activate their Maintenance madio at the Command Post.

B. Night Time During the Week:

Ine Command Post will be set up
in the Security Dept. or another
close by location as is necessary..
The Tube Mill General Foreman will
assume overall plant responsibility
until relieved by a senior plant
official.

. Weekends and Holidays:

If a General Foreman or other management personnel are not present, then the senior Maintenance supervisor will assume overall plant responsibility until relieved. The Command Post will be set up at Security or another close by location.

Refer to "B"
for
Radio Distribution
and
Use

CERRO COPPER PRODUCTS CO.

RADIO COMMUNICATIONS UPDATE - 4/9/92

# of RADIOS	TYPES OF RADIOS	COMMUNICATE TO	POWER SOURCE	USED BY + STORED WHERE
3	1 Motorola HT500	Security, Receiving Spotters, Shipping	NKD Battery from charger at Security	lst Shift Spotter
	1 Motorola HT600	11 11	Battery pack charger in Receiving Office	Receiving Supervisor
	1 Motorola HT90	н в	91 11	lst Shift Spotter
3	l Motorola	Security, Receiving, Spotters, Shipping	NKD Battery from charger at Secuity	Security officers all 3 shif w/battery charges from wall charger as needed.
	2 Maxons	11 15	Batterys and individ- ual chargers.(extras)	(Extras) kept in Security Mgrs office w/individ charge
	3 Maintenance Radios,			In Security Mgr's office
·	- 1	Sauget Village Fire & Police Dept.		All Security personnel at Security Station
ნ *	l Motorola Sabre	Security, Receiving Spotters, Shipping	Battery & individual charger	Shipping supervisors (all 3 shifts)
	l Motorola Sabre	11 11	11 11	Spotters
•	l Motorola HT500	H H	NKD Battery from charger at Security	(spare)
	1 Maxon	11 11	Individual charger	spare-currently out for repa
	2 Maxons	11 41		(spare) Radio & charger kept
se radios	are kept in the Shipping	Office		in Shipping Office
12	1 Motorola MT500	All Maintenance & Central Stores phone	Individual charger	Palmer Plummer- Foundry) Maint. Office
	1 Motorola HT220	11 11	н п	B.Eichelman- " "
•	1 Motorola MT500	H H H	88 88	S.Whiteside- " "
	1 Motorola Expo	D 00 00	64 66	J. Sodam-J Sodam's office at Central Maintenance
	RADIOS 3 3	RADIOS TYPES OF RADIOS 1 Motorola HT500 1 Motorola HT600 1 Motorola HT90 3 1 Motorola 2 Maxons 2 Maintenance Badios 1 - 1 6 * 1 Motorola Sabre 1 Motorola Sabre 1 Motorola HT500 1 Maxon 2 Maxons 3 maxons 4 maxons 5 e radios are kept in the Shipping 12 1 Motorola HT500 1 Motorola HT500 1 Motorola HT500 1 Motorola HT500 1 Motorola HT500	RANIOS TYPES OF RADIOS COMMUNICATE TO 3	RADIOS TYPES OF RADIOS COMMUNICATE TO POWER SOURCE 3 Motorola HT500 Security, Receiving Spotters, Shipping Shipping Charger at Security Battery pack charger in Receiving Office Motorola HT90 " " " " " " " " " " " " " " " " " "

DEPARTMENT	# of RADIOS	TYPES OF RADIOS	COMMUNICAT	E TO		POWER SOUR	CE	USED BY + STORED WHERE
Maint cont'd	l Motorola Expo	All Maint Central S		-	Individual	Charger	R. Thompson - R. Thompson' office at Central Maintena	
		l Motorola Expo	н	11	**	14		H. Fl ynn-Harold's locker a Central Maintenance
		l Motorola Expo	44	11	**	41	11	Jay Miller's office at Tut Mill Maintenance
•	l Motorola Expo	16	**	**	"	44	B. Faries' office at Centr Maintenance	
	l Motorola HT500	o	66	H	NKD Batter charger ra Central Ma	ck at	D. O'Neal's office in Building 80	
	•	1 Motorola HT220	11	"	11	Individual	Charger	E. McDonald-J. Millers' of in Tube Mill Maintenance
		1 Motorola MT500	11 1	•	**	u	44	R. Schwoebel-J. Millers'of in Tube Mill Maintenance
Safety	4	General Electric 3-channel	Maintena Security Shipping Metal Red Safety		ng	NKD Batter with charg		J. Gehlhausen) in John Ge B. Novack) hausen's o S. Bahno - S. Baho's offi Carol Millard - Dispensar

NOTE: In all instances Maintenance has 12 radios for their use and will coordinate their own distribution.

LEVEL TWO AND THREE

RESPONSIBILITIES

COMMUNICATIONS

- A. Normal Business Hours: Command post in Plant Manager's Office
- A. Command Post needs: 1 - Security Radio 1 - Maintenance Radio

Safety/Medical needs: 4 - Shipping/Receiving Radios

Training General Foreman, Shipping. and Receiving General Foremen to deliver.

- B. Nighttime During the Week: Command post in Security. TM General Foreman responsible.
- B. TM General Foreman needs:

 1 Shipping Radio
 There is a Maintenance radio in Security.
- C. Weekends Holidays:
 Command post in Security.
 Senior Maintenance Supervisor
 responsible.
- C. I Shipping or Receiving Radio. There is a Maintenance radio in Security.

NOTE: The responsible people (especially at night and on weekends) must be prepared to delegate radio deliveries and pickups promptly.

CERRO COPPER PRODUCTS CO.

INTERNAL MEMORANDUM

TO: Roy Thompson

1/2/91

FROM: Allen Feltz

SUBJECT: Power Failure Phone Extensions

The following is a list of power failure phone extension numbers and their location:

Number	<u>Location</u>
268	Maintenance Office
303	Paul Tandler's Office
344	Al Finkelstein's Office
259	Security
380	Outside Bob Conreaux's Office
391	Electrical Switchgear Bldg.



A. PREVENTION

Good plant housekeeping is the best protection against fire. You are expected to do your part by the disposal of all combustible scrap, rags, paper products and other flammable materials.

A common source of fire is the imprudent use of open flame heating equipment (salamanders) near flammable substances. Such use must be carefully monitored by supervision, particularly the location of the equipment vis-apersonnel, stored combustible liquids, packing materials, etc.

No-smoking rules, where posted, shall be observed without fail.

Employees required to use flamecutting, soldering, or welding equipment shall observe all applicable rules for fire protection during such work.

Firefighting equipment and fire exits must be kept clear and ready for immediate use at all times. If a fire extinguisher has been used, replace it with a full and properly sealed extinguisher. Do not place an empty or partially used extinguisher on its bracket, but return it to Central Stores for re-charging.

B. IN THE EVENT OF A FIRE

- 1. Assure the safety of personnel under your direction.
- 2. Call for help by contacting the Security Department at 350 or 355 to report the fire, giving the exact location, extent of fire, and your name to the Guard answering the call. He will then do the following:
 - a) Page the Fire Brigade
 - b) Summon the Sauget Fire Department
 - c) Notify Safety and Security Supervisors

- 3. Assist in extinguishing or containing the fire with fire fighting equipment available in your area (extinguishers, hose drops, etc.) until the Fire Brigade and/or Fire Department arrives.
- 4. Except in extremely minor situations, do not attempt to fight the fire alone it may get out of hand and endanger personnel, equipment, buildings, or utilities. CALL FOR HELP FIRST then do your job in controlling the situation.

Above all - stay cool.

MIDWEST FIRE PROTECTION COMPANY 9495 PAGE AVENUE ST. LOUIS, MD 63132

August 20, 1990

Cerro Copper Attn: Safety Director P.O. Box 66800 St. Louis, MO 63166-6800

Dear Valued Customer:

Thank you for the opportunity to perform the recent maintenance service of your fire protection equipment. As part of our Service Program, we are sending you the enclosed <u>Fire & Safety Report</u> which lists the locations, sizes, types and conditions of that equipment. Please keep this document with your permanent records, as required by OSHA and the National Fire Codes.

Any recommendations and remarks made by our Service Technicians are intended to make you aware of the actions necessary to further protect your facility and bring you up-to-date with local and state Fire Code requirements. It is our hope that you will seriously consider these recommendations and take the appropriate action to assure the safety of your facility and personnel.

Again, thank you for the opportunity to serve you and your organization. Please call us at (314) 521-0550 whenever we can be of further assistance to you.

Sincerely,

MIDWEST FIRE PROTECTION COMPANY

Tim Gierer

Service Manager

Enclosures

Report Date: 7/90

Prepared For: CERRO COPPER

ATTN: SAFETY DIRECTOR

HIGHWAY #3

SAUGET, IL 62201

Equipment Location CENTRAL MAINTENANCE SHOP BY LOCKERS WEST DOOR WEST DOOR WEST DOOR WEST DOOR WEST DOOR WEST DOOR MAINTENANCE SERV WEST DOOR 1.5FH 84(90) WEST	
CENTRAL MAINTENANCE SHOP BY LOCKERS WEST DOOR WEST DOOR WEST DOOR LISTH WEST DOOR WEST DOOR LISTH WEST DOOR WEST DOOR LISTH B4(90) HYDROTESTED HYDROTESTED RECHARGED RECHARGED RECHARGED BY FLOOR LIFT DOOR BY FLOOR LIFT SCO2 B7 MAINTENANCE SERVEN MAINTENANCE SERVE	İ
2 BY LOCKERS 20ABC 80 85 MAINTENANCE SERV 3 WEST DOOR 20ABC 89 MAINTENANCE SERV 4 WEST DOOR 1.5FH 84(90) HYDROTESTED 5 WEST DOOR 10ABC 89 RECHARGED 7 EAST DOOR 10ABC 85 RECHARGED 8 BY FLOOR LIFT 10ABC 77(90) 83 HYDROTEST/RECHARGED 9 BY FLOOR LIFT 5CO2 87 MAINTENANCE SERV	====
2 BY LOCKERS 20ABC 80 85 MAINTENANCE SERV 3 WEST DOOR 20ABC 89 MAINTENANCE SERV 4 WEST DOOR 1.5FH 84(90) HYDROTESTED 5 WEST DOOR 10ABC 89 RECHARGED 7 EAST DOOR 10ABC 85 RECHARGED 8 BY FLOOR LIFT 10ABC 77(90) 83 HYDROTEST/RECHARGED 9 BY FLOOR LIFT 5CO2 87 MAINTENANCE SERV	
3 WEST DOOR 20ABC 89 MAINTENANCE SERVE WEST DOOR 1.5FH 84(90) HYDROTESTED RECHARGED RECHARGED RECHARGED BY FLOOR LIFT 10ABC 77(90) 83 HYDROTEST/RECHARGED BY FLOOR LIFT 5CO2 87 MAINTENANCE SERVE	
4 WEST DOOR 1.5FH 84(90) HYDROTESTED 5 WEST DOOR 1.5FH 84(90) HYDROTESTED 6 WEST DOOR 10ABC 89 RECHARGED 7 EAST DOOR 10ABC 85 RECHARGED 8 BY FLOOR LIFT 10ABC 77(90) 83 HYDROTEST/RECHARGED 9 BY FLOOR LIFT 5CO2 87 MAINTENANCE SERV	
5 WEST DOOR 1.5FH 84(90) HYDROTESTED 6 WEST DOOR 10ABC 89 RECHARGED 7 EAST DOOR 10ABC 85 RECHARGED 8 BY FLOOR LIFT 10ABC 77(90) 83 HYDROTEST/RECHARGED 9 BY FLOOR LIFT 5CD2 87 MAINTENANCE SERV	ICE
6 WEST DOOR 10ABC 89 RECHARGED 7 EAST DOOR 10ABC 85 RECHARGED 8 BY FLOOR LIFT 10ABC 77(90) 83 HYDROTEST/RECHAR 9 BY FLOOR LIFT 5CD2 87 MAINTENANCE SERV	
7 EAST DOOR 10ABC 85 RECHARGED 8 BY FLOOR LIFT 10ABC 77(90) 83 HYDROTEST/RECHARGED 9 BY FLOOR LIFT 5CO2 87 MAINTENANCE SERV	
BY FLOOR LIFT 10ABC 77(90) B3 HYDROTEST/RECHARGE SERVER PROPERTY SCOOL B7 MAINTENANCE SERVER PROPERTY SCOOL B7	ł
9 BY FLOOR LIFT 5CO2 B7 MAINTENANCE SERV	
7 101 1 2001 211	I
10 ON WEIDER 2.5PW 90 MAINTENANCE SERV	
TO COLOR OF THE PARTY OF THE PA	1
11 TRACTOR SHOP BUGGIE 10ABC 82 88 MAINTENANCE SERV	
12 PRESS 20ABC 88 MAINTENANCE SERV	1
13 BY LADDER RACK 10ABC 82 88 MAINTENANCE SERV	ICE
1+ LOCKER ROOM 20ABC 80 86 MAINTENANCE SERV	
15 STORAGE ROOM 10ABC 85 MAINTENANCE SERV	ICE
15 RACK 14 10ABC 81 89 MAINTENANCE SERV	ICE
17 2ND LEVEL BY RACK 2 10ABC 85 MAINTENANCE SERV	ICE
18 3RD LEVEL BY RACK 11 20ABC 83 89 MAINTENANCE SERV	ICE
17 3RD LEVEL BY RACK 61 20ABC 79 85 MAINTENANCE SERV	ICE
EO BRD LEVEL 10ABC 83 (90) SIX-YEAR MAINTEN	ANCE
21 SAFETY OFFICE COPPIER 20ABC 79 86 MAINTENANCE SERV	ICE
HALL BEHIND SAFETY OFFICE 20ABC 80 86 MAINTENANCE SERV	ICE
23 PAUL TANDLER'S OFFICE 20ABC 78(90) 84 HYDROTEST/RECHAP	GED
24 FIRST AID 10ABC 79 88 MAINTENANCE SERV	ICE
25 LABORATORY 10ABC B9 MAINTENANCE SERV	ICE
25 LABORATORY 10ABC B9 MAINTENANCE SERV	ICE
27 LABORATORY 20ABC 1 88 MAINTENANCE SERV	ICE
23 LABORATORY 9HALON " 86 (90) SIX-YEAR MAINTEN	ANCE
29 LABORATORY 10ABC 79 B7 MAINTENANCE SERV	
30 OUTSIDE OF PAINT 1.5FH 86 MAINTENANCE SERV	ICE
31 OUTSIDE OF PAINT 1.5FH 86 MAINTENANCE SERV	
32 PAINT WAREHOUSE 20ABC 79 85 MAINTENANCE SERV	
33 PAINT WAREHOUSE 20ABC 83 BB MAINTENANCE SERV	
34 PAINT SHOP 20ABC 77(90) 82 HYDROTEST/RECHAR	
35 PAINT SHOP 20ABC B1 B6 MAINTENANCE SERV	
35 TOOL MILL SMALL BLOCKS 10ABC B1 B7 MAINTENANCE SERV	
37 TOOL MILL 20ABC 89 MAINTENANCE SERV	
39 TOOL MILL 20ABC 89 MAINTENANCE SERV	

Prepared by:

PIDMEST FIRE PROTECTION COMPANY
9495 Page Avenue - St. Louis, MO 63132
(314) 521-0550

Report Date: 7/90

Prepared For:

CERRO COPPER

ATTN: SAFETY DIRECTOR

HIGHWAY #3

SAUGET, IL 62201

		Size & Type	Last	Last 6Yr Maint	Reserve
	Equipment Location		•		
39	TOOL MILL	75002	89		WHEELED UNIT
40	TOOL MILL	20ABC	88		MAINTENANCE SERVICE
41	SMALL BLOCKS	10ABC	81	87	MAINTENANCE SERVICE
42	SMALL BLOCKS	1.5FH	80(90)		HYDROTESTED
43	ND. STC	SOBC	88		MAINTENANCE SERVICE
44	LT #2	20ABC	88		MAINTENANCE SERVICE
45	LEFT BAF #1	SOABC	89		MAINTENANCE SERVICE
45	LEFT BAF	10ABC	82	88	MAINTENANCE SERVICE
47	LEFT BAF POLE 63	SOABC	79	87	MAINTENANCE SERVICE
48	LEFT BAF	20ABC	8 5		MAINTENANCE SERVICE
47	POLE AC37	10ABC	80	85	MAINTENANCE SERVICE
50	POLE AC37	20ABC	89		MAINTENANCE SERVICE
51	BY 237	150ABC	88		WHEELED UNIT
52	MAINTENANCE SHOP	1 OABC	69(90)		HYDROTEST/RECHARGED
53	MAINTENANCE SHOP	20ABC	79	89	MAINTENANCE SERVICE
54	MAINTENANCE BY LOCKERS	1 OABC	89		MAINTENANCE SERVICE
55	PAST TUBE MILL OFFICE	10ABC	82	88	MAINTENANCE SERVICE
55	LT#2	20ABC	88		MAINTENANCE SERVICE
57	TUBE MILL	1 OABC	88		RECHARGED
58	LEFT OF LT#2	20ABC	89		MAINTENANCE SERVICE
57	LEFT OF WOMENS RESTROOM	SOABC	81	87	MAINTENANCE SERVICE
40	BY ELECTRIC BOX 24	20ABC	77(90)		HYDROTEST/RECHARGED
61	ELECTRIC BOX 24	10ABC	87		MAINTENANCE SERVICE
52	BY EMERGENCY EYEWASH 71	20ABC	89		MAINTENANCE SERVICE
63	BRASS MILL	20ABC	87		MAINTENANCE SERVICE
64	BY DESK	20ABC	, 8 2	88	MAINTENANCE SERVICE
65	LEFT OF DESK	10ABC	.! 88		MAINTENANCE SERVICE
66	LEFT OF DESK	20ABC	. BO	86	MAINTENANCE SERVICE
67	LEFT OF DESK	SOABC	89		MAINTENANCE SERVICE
68	LEFT OF DESK	10ABC	87		MAINTENANCE SERVICE
69	LEFT OF DESK	10ABC	87	•	MAINTENANCE SERVICE
70	BY POLE AC52	10ABC	89		MAINTENANCE SERVICE
71	BY POLE AC52	1.5FH	83(90)		HYDROTESTED
72	BY POLE AC52	20ABC	90		MAINTENANCE SERVICE
73	BY POLE AA51	20ABC	88		MAINTENANCE SERVICE
74	BY POLE AC60	SOABC	90		MAINTENANCE SERVICE
75	WELDING BOOTH LUNCH ROOM	SOABC	89		MAINTENANCE SERVICE
75	WELDING BOOTH	45ABC	84		WHEELED UNIT
					i

Prepared by:

9495 Page Avenue - St. Louis, MD 63132 (314) 521-0550

Report Date: 7/90

Prepared For: CERRO COPPER

ATTN: SAFETY DIRECTOR

HIGHWAY #3

SAUGET, IL- 62201

	Equipment Location	Size & Type		Last 6Yr Maint	Remarks
	BY POLE N58	20ABC	87		MAINTENANCE SERVICE
	BY POLE N58	1.5FH	85(90)		HYDROTESTED
	BY POLE W61	SOABC	89		NEEDS TO BE HUNG
-	BY CONTROL PANNEL	20ABC	80	86	MAINTENANCE SERVICE
	CONTROL PANEL BY POLE N60		89		MAINTENANCE SERVICE
	BY TIME CLOCK	20ABC	83	89	MAINTENANCE SERVICE
	BY GENERATORS	20ABC	81	87	MAINTENANCE SERVICE
	BY GENERATORS	20ABC	79	85	MAINTENANCE SERVICE
	BY POLE J65	SOBC	90		WHEELED UNIT
	BY POLE J65	SOABC	87		MAINTENANCE SERVICE
	BY POLE J65	20ABC	84	90	MAINTENANCE SERVICE
-	BY ELECTRIC PANEL	20ABC	89		NEEDS TO BE HUNG
29	BY NORTH OVERHEAD DOOR	20ABC	88		MAINTENANCE SERVICE
	MACHINE SHOP	10ABCB	0	88	MAINTENANCE SERVICE
	BY OFFICE	1 OABC	89		MAINTENANCE SERVICE
	BY CAGE	10ABC	89		RECHARGED
93	CONTROL PANEL	10ABC	86		MAINTENANCE SERVICE
	ON CAGE	10ABC	89		MAINTENANCE SERVICE
95	BY SMALL DRILL PRESS	10ABC	(90)	84	HYDROTEST/RECHARGED
	LUNCH ROOM	10ABC8	7		MAINTENANCE SERVICE
57	POLE C44	10ABC	88		MAINTENANCE SERVICE
63	POLE G58	10ABC	81	87	MAINTENANCE SERVICE
59	POLE G54	10ABC	82	88	MAINTENANCE SERVICE
100	PUMP ROOM	20ABC	89		MAINTENANCE SERVICE
101	BY POLE G34	20ABC	89		MAINTENANCE SERVICE
102	BY POLE F31	1 OABC	, 79	89	MAINTENANCE SERVICE
103	BY POLE F31	20ABC	راً 85		MAINTENANCE SERVICE
104	BY POLE 27	1 OABC	87		MAINTENANCE SERVICE
105	BY POLE 27	50005	85(90)		HYDROTEST/RECHARGED
105	24 BLOCK	10ABC	89		RECHARGED
107	24 BLOCK	20ABC	88		RECHARGED
108	24 BLOCK	10ABC	88		MAINTENANCE SERVICE
109	POLE AE31	10ABC	82	88	MAINTENANCE SERVICE
110	ELECTRIC BOX 6	20ABC	82	89	RECHARGED
111	ELECTRIC BREAKER BOXES	20ABC	89		RECHARGED
112	BREAKER BOXES	20 43 C	3 5	28	YAINTENANCE SERVICE
113	BLOCK & UPSTAIRS	10ABC	(90)		HYDROTEST/RECHARGED
114	BLOCK 6 UPSTAIRS	1 OABC	80	86	MAINTENANCE SERVICE

Prepared by:

MIDWEST FIRE PROTECTION COMPANY 9495 Page Avenue - St. Louis, #0 63132 (314) 521-0550

Report Date: 7/90

Prepared For: CERRO COPPER

ATTN: SAFETY DIRECTOR

HIGHWAY #3

SAUGET, IL 62201

	Equipment Location	Size & Type	•	Last 6Yr Maint	Remarks
-	BLOCK #6	1.5FH	85(90)	,	HYDROTESTED
	BLOCK #5 BLOCK #5 UPSTAIRS	10ABC 10ABC	89 78(9 0)		MAINTENANCE SERVICE HYDROTEST/RECHARGED
	BLOCK #5 UPSTAIRS	10ABC	80	87	MAINTENANCE SERVICE
119	POLE 231	1.5FH	84(90)		HYDROTESTED
	POLE Z26	1.5FH	85(90)		HYDROTESTED
	#4 BLOCK UPSTAIRS	SOABC	77(90)		HYDROTEST/RECHARGED
	#4 BLOCK	20ABC	88	00	MAINTENANCE SERVICE
	MAINTENANCE SHOP BY VISE	10ABC	81 79	88 85	RECHARGED MAINTENANCE SERVICE
	MACHINE SHOP 007	10ABC		83	HYDROTESTED
	DUTSIDE MACHINE SHOP 007	1.5FH	85(90)		RECHARGED
	OUTSIDE MACHINE SHP OUTSIDE MACHINE SHOP	10ABC 50CD2	88 90		MAINTENANCE SERVICE
	#3 BLOCK	150BC	83		WHEELED UNIT
	#3 BLOCK	110NITR			WHEELED UNIT
	#3 BLOCK UPSTAIRS	10ABC	79	85	MAINTENANCE SERVICE
	#3 BLOCK UPSTAIRS	10ABC	88	-	MAINTENANCE SERVICE
	#7 BLOCK	SOABC	83	89	MAINTENANCE SERVICE
	#7 BLOCK	SOABC	88	_	MAINTENANCE SERVICE
134	#B BLOCK	10ABC	85		MAINTENANCE SERVICE
135	#8 BLOCK	SOABC	89		MAINTENANCE SERVICE
135	#8 BLOCK	50005	85(90)		HYDROTEST/RECHARGED
	POLE 020	SOABC	89		MAINTENANCE SERVICE
	POLE AD20	10ABC	88		MAINTENANCE SERVICE
	POLE AE20	20ABC	82	89	MAINTENANCE SERVICE
	POLE AE20	SOABC	, B9		MAINTENANCE SERVICE
	POLE AE16	10ABC	,, B7		MAINTENANCE SERVICE
	ACROSS FROM POLE ADS	20ABC	89		RECHARGED
	POLE W16	1.5FH	85(90)		HYDROTESTED
144	POLE Y16	20ABC	88		MAINTENANCE SERVICE
	POLE K7	1 OABC	89		RECHARGED
	LT. 1 POLE K14	1.5FH	85(9 0) 87		HYDROTESTED RECHARGED
148	POLE AN16	20ABC 10ABC	8 3	89	MAINTENANCE SERVICE
	POLE AL16	10ABC	82 83	88	MAINTENANCE SERVICE
	POLE AX18	20ABC	88	00	MAINTENANCE SERVICE
		20ABC	(9 0)		HYDROTEST/RECHARGED
152	POLE AT20	L.5FH	83(90)		HYDROTESTED
		L • O1 71			

Prepared by:

MIDWEST FIRE PROTECTION COMPANY
9495 Page Avenue - St. Louis, 40 63132
(314) 521-0550

SAFETY REPORT

Report Date: 7/90

Prepared For: CERRO COPPER

ATTN: SAFETY DIRECTOR

HIGHWAY #3

SAUGET, IL 62201

	Equipment Location	Size & Type	•	Last 6Yr Maint	
				*******	255555555555555555555555555555555555555
153	POLE AV23	200ABC	88		MAINTENANCE SERVICE
	POLE AV23	1 OABC	B 7		MAINTENANCE SERVICE
	POLE AV23	20ABC	83	89	MAINTENANCE SERVICE
156	BY SCALE	20ABC	82	88	MAINTENANCE SERVICE
157	OUTSIDE BY TANK	10ABC	77(90)		HYDROTEST/RECHARGED
159	DOCK	20ABC	(90)		HYDROTEST/RECHARGED
:59	DOCK BREAKER BOXES	SOABC	88		MAINTENANCE SERVICE
160	SHIPPING OFFICE	20ABC	88		NEEDS TO BE HUNG
161	POLE S2	20ABC	88		MAINTENANCE SERVICE
162	RAMP LOW LEVEL WAREHOUSE	20ABC	88		MAINTENANCE SERVICE
163	OVERHEAD DOOR	10ABC	82	88	MAINTENANCE SERVICE
	POLE LINE SETS	10ABC	88		MAINTENANCE SERVICE
	EXIT DOOR	SOABC	80	86	MAINTENANCE SERVICE
	EXIT DOOR	20ABC	80	86	MAINTENANCE SERVICE
	REFACTORY	20ABC	79	87	MAINTENANCE SERVICE
	FLAT SHOP	20ABC	(90)	83	HYDROTEST/RECHARGED
	FLAT SHOP	SOABC	B C	86	MAINTENANCE SERVICE
	FLAT SHIP	1 OABC	89		MAINTENANCE SERVICE
	FIRE BOX	10ABC	82	(90)	SIX-YEAR MAINTENANCE
	FIRE BOX	10BAC	79	85	MAINTENANCE SERVICE
	FIRE BOX	10ABC	78(90)	84	HYDROTEST/RECHARGED
	FIRE BOX	10ABC	78(90)	84	HYDROTEST/RECHARGED
	FIRE BOX	1 OABC	80	88	MAINTENANCE SERVICE
	FIRE BOX	1 OABC	88		MAINTENANCE SERVICE
	FIRE BOX	1.5FH	84(90)		HYDROTESTED
	FIRE BOX	1.5FH	76(90)		HYDROTESTED HYDROTESTED
	FIRE BOX	1.5FH 1.5FH	78(90) 83(90)		HYDROTESTED
	FIRE BOX	1.5FH			HYDROTESTED
	NO. 1 FEEDER	1.5FH	83(90)		MAINTENANCE SERVICE
	FOUNDRY MAINT. SHOP	20ABC	86 87	•	MAINTENANCE SERVICE
	FOUNDRY MAINT. SHOP	20ABC	B7		MAINTENANCE SERVICE
	PUMP SHED	20ABC	87 89		MAINTENANCE SERVICE
	ELECTRIC SHED	20ABC	89		MAINTENANCE SERVICE
	ELECTRIC SHED	20ABC	90		MAINTENANCE SERVICE
	ELECTRIC SHED	20ABC	88		MAINTENANCE SERVICE
	BEHIND SHED	1.5FH	87		NEEDS NEW REEL
	OLD FOUNDRY	1.SFR 10ABC	88	•	RECHARGED
. 70	בט רטטאטאז	IOMBL	00		NECHMINGED

Prepared by:

MIDWEST FIRE PROTECTION COMPANY 9495 Page Avenue - St. Louis, MO 63132 (314) 521-0550

Report Date: 7/90

Prepared For: CERRO COPPER

ATTN: SAFETY DIRECTOR

HIGHWAY #3

SAUGET, IL 62201

	Equipment Location	Size & Type	•	Last 6Yr Maint	Remarks
192 193 194 195 196 197	BY BOILER BY BOILER COMPRESSOR ROOM MIDDLE POLE COMPRESSOR RM. TANK HOUSE TANK HOUSE TANK HOUSE BY DESK	10ABC 10ABC 20ABC 10ABC 20ABC 10ABC 10ABC 20ABC	82 80 89 80 89 90 88 85	89 86 86	MAINTENANCE SERVICE
19 9 200 201	TANK HOUSE TANK 02 TANK HOUSE BY TANK 18 LOCKER ROOM	SOABC SOABC SOABC	81 88 89 83	87 89	MAINTENANCE SERVICE MAINTENANCE SERVICE MAINTENANCE SERVICE MAINTENANCE SERVICE
204 20 5 206	TANK ROOM OFFICE OUTSIDE BREAKER ROOM INSIDE BREAKER ROOM POLE D4 POLE D2	13HALON 20ABC 13HALON 20ABC 20ABC	88 90 88 77(90) 88	84	MAINTENANCE SERVICE MAINTENANCE SERVICE MAINTENANCE SERVICE HYDROTEST/RECHARGED MAINTENANCE SERVICE
208 209 210	POLE BE POLE E9 SX FRONT DOOR SX SX ON CATWALK	20ABC 20ABC 20ABC	78(90) 87 82 81	88 87	HYDROTEST/RECHARGED MAINTENANCE SERVICE MAINTENANCE SERVICE MAINTENANCE SERVICE
214 215	CATWALK STAIRS ON CATWALK SX OVERHEAD DOOR SX	10ABC 20ABC 125BC 20ABC	79 82 89 89	88	MAINTENANCE SERVICE MAINTENANCE SERVICE WHEELED UNIT MAINTENANCE SERVICE
217 218 219	OVERHEAD DOOR SX OVERHEAD DOOR SX 2 WEST DOOR SX IN CAGE	20ABC 20ABC 20ABC 20ABC 20ABC	, 81 , 81 84 79 89	87 87 90 87	MAINTENANCE SERVICE MAINTENANCE SERVICE MAINTENANCE SERVICE MAINTENANCE SERVICE MAINTENANCE SERVICE
221 222 223 224	FOUNDRY N.O. FIRE BOX FIRE BOX E6 OVERHEAD CRANE OVERHEAD CRANE	20ABC 1.5FH 10ABC 20ABC	85 86 88 86	·	MAINTENANCE SERVICE MAINTENANCE SERVICE MAINTENANCE SERVICE MAINTENANCE SERVICE
22 6 22 7	DVERHEAD CRANE BIG SOUTH DOCK WEST WALL FOUNDRY ELEC. ROOM	1.5FH 20ABC 10ABC 10BC	85 (90) 90 89 89		MAINTENANCE SERVICE MAINTENANCE SERVICE MAINTENANCE SERVICE

Prepared by:

MIDWEST FIRE PROTECTION COMPANY 9495 Page Avenue - St. Louis, MO 63132 (314) 521-0550

Report Date: 7/90

Prepared For: CERRO COPPER

ATTN: SAFETY DIRECTOR

HIGHWAY #3

SAUGET, IL 62201

	Equipme nt Location	Size & Type	Last	Last 6Yr Maint	Pagarte
	endibment cocation	• •	_		Ţ
229	FOUNDRY ELEC. ROOM	1 OABC	88		MAINTENANCE SERVICE
	2ND LEVEL FOUNDRY	SOABC	81	85	MAINTENANCE SERVICE
331	2ND LEVEL FOUNDRY ON STAIR	SIOABC	88		MAINTENANCE SERVICE
332	BY BOILERS	20ABC	83	89	MAINTENANCE SERVICE
333	DOCK LOWLING OFFICE	10ABC	80	86	MAINTENANCE SERVICE
Ξ3 4	BY BIN 27	20ABC	88		MAINTENANCE SERVICE
235	BY BIN 27	1 OABC	81	87	MAINTENANCE SERVICE
336	HYDRALIC SHOP	5002	88		MAINTENANCE SERVICE
337	OUTSIDE SHOP	10ABC	87		MAINTENANCE SERVICE
338	OUTSIDE SHOP	20ABC	82	(90)	SIX-YEAR MAINTENANCE
337	LOW LYING DOCK EAST	10ABC	80	87	MAINTENANCE SERVICE
3 → ⊅	LOW LYING DOCK EAST	10ABC	78(90)		HYDROTEST/RECHARGED
	LOW LYING DOCK EAST	20ABC	89		RECHARGED
Ξ4 2	3RD LEVEL CONCRETE BLDG.	20ABC	89		MAINTENANCE SERVICE
≘4 3	3RD LEVEL CONCRETE BLDG.	SOABC	83	89	MAINTENANCE SERVICE
	2ND LEVEL CONCRETE BLDG.	20ABC	79	83	MAINTENANCE SERVICE
	2ND LEVEL CONCRETE BLDG.	SOABC	79	85	MAINTENANCE SERVICE
	2ND LEVEL CONCRETE BLDG.	20ABC	77(90)	82	HYDROTEST/RECHARGED
	AND LEVEL EAST WALL	SOABC	86		MAINTENANCE SERVICE
	2ND LEVEL EAST WALL	10ABC	69	86	MAINTENANCE SERVICE
	RAILROAD DOCK	SOABC	82	88	MAINTENANCE SERVICE
	RAILROAD DOCK	SOABC	83	89	MAINTENANCE SERVICE
	RAILROAD DOCK	1.5FH			CANNOT REACH
	PUMP HOUSE	20ABC	88		MAINTENANCE SERVICE
	PUMP HOUSE	1.5FH	77(90)		HYDROTESTED
	PUMP HOUSE	1.5FH	78(90)		HYDROTESTED
	CARTON BLDG.	SOABC	', 86	(90)	SIX-YEAR MAINTENANCE
	CARTON BLDG.	10ABC	79	85	MAINTENANCE SERVICE
	CARTON BLDG.	10ABC	79	85	MAINTENANCE SERVICE
	CARTON BLDG. BY FIRE EXIT	20ABC	90 2 0	0/	MAINTENANCE SERVICE
	CARTON BLDG. BY FIRE EXIT	20ABC	80	86	MAINTENANCE SERVICE
	2ND CARTON BLDG.	10ABC	B7		MAINTENANCE SERVICE
	2ND FL. CARTON BLDG.	SOABC	90		MAINTENANCE SERVICE
	1ST FL. SALES OFFICE	10ABCB	9		MAINTENANCE SERVICE
	NORTH WALL	10ABC8	7	C (MAINTENANCE SERVICE
	2ND FL. SALES OFFICE	10ABC	80	86	MAINTENANCE SERVICE
	2ND FL. IN CLOSET	10ABC	B9		MAINTENANCE SERVICE
₹55	2ND FL. IN CLOSET	SOABC	89		MAINTENANCE SERVICE

Prepared by: MIDWEST FIRE PROTECTION COMPANY 9495 Page Avenue - St. Louis, MO 63132

(314) 521-0550

Report Date: 7/90

Prepared For: CERRO COPPER

ATTN: SAFETY DIRECTOR

HIGHWAY #3

SAUGET, IL 62201

		Size &		Last	
	Equipment Location	Type	Hydrotest	6Yr Maint	Remarks
		*=====	=======	******	******
257	BASEMENT SALES OFFICE	1 OABC	89		MAINTENANCE SERVICE
268	GARAGE IN SALES OFFICE	1.5FH	80(90)		HYDROTESTED
269	BRICK BLDG. ACROSS SALES	10ABC	88		MAINTENANCE SERVICE
270	ACROSS FROM SALES	10ABC	80	87	MAINTENANCE SERVICE
271	LUNCH ROOM	20ABC	82	88	MAINTENANCE SERVICE
27 2	LUNCH ROOM	10ABC	81	87	MAINTENANCE SERVICE
273	GUARD HOUSE	20ABC	81	87	MAINTENANCE SERVICE
274	FURANCE ROOM	10ABC	80	87	MAINTENANCE SERVICE
275	FURNACE ROOM	1 OABC	79	85	MAINTENANCE SERVICE
Ξ76	EAST HALL	10ABC	88		MAINTENANCE SERVICE
277	LUNCH ROOM	13HALON	83	(90)	SIX-YEAR MAINTENANCE
<u> </u>	SECURITY PICK UP	10ABC	Bò		MAINTENANCE SERVICE
27 9	SECURITY PICK UP	1 OABC	90		MAINTENANCE SERVICE
E 9 0	BLDG. 80				
281	#3 TANDEM	10ABC	89		NEEDS TO BE HUNG
363	POLE K10	1.5FH	84(90)		HYDROTESTED
29 3	POLE K12-K13	SOABC	90		MAINTENANCE SERVICE
284	POLE K12-K13	10ABC	90		MAINTENANCE SERVICE
2 95	POLE K12-K13	SOABC	79	85	MAINTENANCE SERVICE
355	POLE K12-K13	20ABC	88		MAINTENANCE SERVICE
227	POLE K18	10ABC	87		MAINTENANCE SERVICE
368	POLE K19	SOABC	82	88	MAINTENANCE SERVICE
387	POLE K19	SOABC	79	85	MAINTENANCE SERVICE
290	POLE K19	20ABC	89		MAINTENANCE SERVICE
291	POLE K19	20ABC	81	87	MAINTENANCE SERVICE
292	POLE K19	20ABC	. 79	87	MAINTENANCE SERVICE
293	POLE K20	1.5FH	78 (90)		HYDROTESTED
294	POLE K20	10ABC	['] 82	88	MAINTENANCE SERVICE
2 95	COMPRESSOR ROOM	20ABC	79	85	MAINTENANCE SERVICE
255	COMPRESSOR ROOM	10ABC	88		MAINTENAMEE SERVICE
297	POLE H21	10ABC	83	89	MAINTENANCE SERVICE
29 8	BIG BREAKER BOX	10ABC	(90)	86	HYDROTEST/RECHARGED
29 9	SOUTHEAST DOOR	SOABC	81	86	MAINTENANCE SERVICE
BOO	POLE D14	1.5FH	87		MAINTENANCE SERVICE
301	POLE H14	1 OABC	82	89	MAINTENANCE SERVICE
30 5	POLE H14	SOABC	78(90)		HYDROTEST/RECHARGED
30 3	POLE H14	1.5FH	68		MAINTENANCE SERVICE
304	POLE H5	SOABC	81	87	MAINTENANCE SERVICE

Prepared by:

MIDHEST FIRE PROTECTION COMPANY 9495 Page Avenue - St. Louis, MD 63132 (314) 521-0550

Report Date: 7/90

Prepared For: CERRO COPPER

ATTN: SAFETY DIRECTOR

HIGHWAY #3

SAUGET, IL 62201

		Size &	Last	Last	
	Equipment Location	Type	Hydrotest	6Yr Maint	Remarks

3 05	POLE H5	1.5FH	84(90)		HYDROTESTED
305	STATION 78	5002	87		MAINTENANCE SERVICE
307	STATION 78	SOABC	87		MAINTENANCE SERVICE
308	STATION 75	20ABC	81	87	MAINTENANCE SERVICE
30 9	STATION 75	20ABC	88		RECHARGED
310	LEFT OF D4	150BC	89		WHEELED UNIT
311	LEFT OF D4	110NITE	87		WHEELED UNIT
312	POLE A11	20ABC	82	88	MAINTENANCE SERVICE
313	POLE D9	125BC	90		MAINTENANCE SERVICE
∃14	POLE D9	20ABC	85	88	MAINTENANCE SERVICE
315	STATION 15	20ABC	5 0		MAINTENANCE SERVICE
315	STATION 44	1.5FH	B5 (90)		HYDROTESTED
	STATION 50	SOABC	90		MAINTENANCE SERVICE
	POLE IB	20ABC	90		MAINTENANCE SERVICE
	BRIDGE STATION 8	SOABC	85		MAINTENANCE SERVICE
	HAMMER MILL	20ABC	82	88	MAINTENANCE SERVICE
	HAMMER MILL	SOABC	82	88	MAINTENANCE SERVICE
	L.P. SHED	20ABC	88		MAINTENANCE SERVICE
	L.P. SHED	IOABC	88		MAINTENANCE SERVICE
324	L.P. SHED	125BC	<u> </u>		WHEELED UNIT
325	L.P. SHED	SOABC	79 -	88	MAINTENANCE SERVICE
125	L.P. SHED	1.5FH	86		MAINTENANCE SERVICE
327	SND LEVEL	1 OABC	79	85	MAINTENANCE SERVICE
	SHOP BY BENCH	20ABC	B7		MAINTENANCE SERVICE
329	SHOP BY BENCH	10ABC	79	89	MAINTENANCE SERVICE
	SHOP BY BENCH	10ABC	80	86	MAINTENANCE SERVICE
	BY NORTHEAST DOOR	20ABC	/ 85		MAINTENANCE SERVICE
	OFFICE	10ABC	79	89	MAINTENANCE SERVICE
	OFFICE	10ABC	88	-	MAINTENANCE SERVICE
	COMPRESSOR	10ABC	82	88	MAINTENANCE SERVICE
-	OUTSIDE COMPRESSOR	20ABC	88		MAINTENANCE SERVICE
	OUTSIDE COMPRESSOR	20ABC	85		MAINTENANCE SERVICE
	OUTSIDE COMPRESSOR	10ABC	79	85	MAINTENANCE SERVICE
	OUTSIDE COMPRESSOR	20ABC	90		MAINTENANCE SERVICE
	OUTSIDE COMPRESSOR	20ABC	87 25		MAINTENANCE SERVICE
	OUTSIDE COMPRESSOR	10ABC	8 5		MAINTENANCE SERVICE
341	OUTSIDE COMPRESSOR	20ABC	65		MAINTENANCE SERVICE
342	OUTSIDE COMPRESSOR	1 OBC	88		HIMINIERHINCE SERVICE
	P. Company of the Com				

Prepared by:

MIDWEST FIRE PROTECTION COMPANY 9495 Page Avenue - St. Louis, MD 63132 (314) 521-0550

Report Date: 7/90

Prepared For: CERRO COPPER

ATTN: SAFETY DIRECTOR

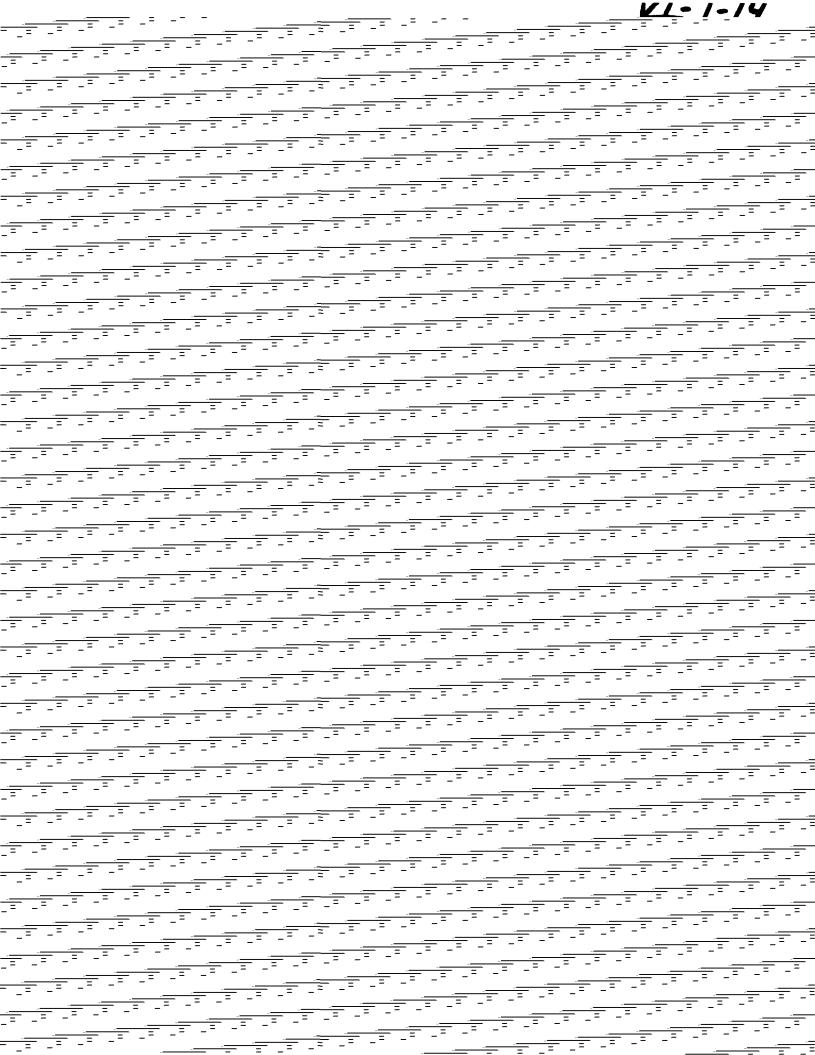
HIGHWAY #3

SAUGET, IL 62201

		Size &	Last	Last	Page and the
	Equipment Location	Туре	Hydrotest	6Yr Maint	REMAIKS
		======			
343	OUTSIDE COMPRESSOR	125BC	81	87	WHEELED UNIT
	POLE BL	1.5FH	86		MAINTENANCE SERVICE
	SOUTH DOOR	20ABC	88		MAINTENANCE SERVICE
	SOUTH DOOR	2ABC	88		MAINTENANCE SERVICE
	SOUTH DOOR	20ABC	83	90	MAINTENANCE SERVICE
348	SOUTH DOOR	SOABC	79	85	MAINTENANCE SERVICE
	HOT WELL NO. 6	SOABC	83	88	MAINTENANCE SERVICE
350	HOT WELL NO. 6	10ABC	80	86	MAINTENANCE SERVICE
351	IN PIT	SOABC	88		MAINTENANCE SERVICE
352	2ND LEVEL	10ABC	81	6 7	MAINTENANCE SERVICE
353	SND LEVEL	20ABC	81	87	MAINTENANCE SERVICE
354	SOUTHEAST BIG DOOR	20ABC	(90)		HYDROTEST/RECHARGED
355	OXYGEN PUMP ROOM	10ABC	90		MAINTENANCE SERVICE
356	NEW BLDG.	20ABC	89		MAINTENANCE SERVICE
357	NEW BLDG.	1.5FH	88		MAINTENANCE SERVICE
	NEW BLDG. BY TOOL ROOM	1.5FH			MAINTENANCE SERVICE
357	TRAIN DOCK	20ABC	79	85	MAINTENANCE SERVICE
350	TRAIN DOCK	SOABC	90		MAINTENANCE SERVICE
341	TRAIN DOCK	20ABC	89		MAINTENANCE SERVICE
342	TRAIN DOCK	SOABC	86		MAINTENANCE SERVICE
363	TRAIN DOCK	SOABC	88		MAINTENANCE SERVICE
364	UNDER STAIRS	1.5FH	89		MAINTENANCE SERVICE
	UNDER STAIRS	20ABC	88		MAINTENANCE SERVICE
	RAILROAD SCALE	SOABC	88		MAINTENANCE SERVICE
367	RAILROAD SCALE	20ABC	89		MAINTENANCE SERVICE
	2ND FL. OFFICE	10ABC	, 8 2	(90)	SIX-YEAR MAINTENANCE
	DOCK	SOABC	90		MAINTENANCE SERVICE
	DOCK	1.5FH	89		MAINTENANCE SERVICE
	BY TOOL LOCKER	SOABC	90		MAINTENANCE SERVICE
	BY TOOL LOCKER	20ABC	78(90)		HYDROTEST/RECHARGED
373	BY TOOL LOCKER	10ABC	8 7		MAINTENANCE SERVICE
274	BY TOOL LOCKER	SOABC	79	86	MAINTENANCE SERVICE
375	BY COPPER PIT	20ABC	88		MAINTENANCE SERVICE
375	BY COPPER PIT	1.5FH	84(90)		HYDROTESTED
377	BY COPPER PIT	1.5FH	84(90)		HYDROTESTED
	UNDER CRANE STEPS	SOABC	88		RECHARGED
379	UNDER CRANE STEPS	10ABC	9 0		RECHARGED
320	UNDER CRANE STEPS	LOABC	82	88	RECHARGED
					i

Prepared by:

9495 Page Avenue - St. Louis, MD 63132 (314) 521-0550



Report Date: 7/90

Prepared For: CERRO COPPER

ATTN: SAFETY DIRECTOR

HIGHWAY #3

SAUGET, IL 62201

	Equipment Location	Size & Type	Last Hydrotest	Last 6Yr Maint	Remarks
	***********	******	T=======		
-19	SPARE	20ABC	90		MAINTENANCE SERVICE
-20	SPARE	10ABC	79	90	MAINTENANCE SERVICE
-21	SPARE	10ABC	(90)	83	HYDROTEST/RECHARGED
→22	SPARE	10ABC	80	86	MAINTENANCE SERVICE
+23	SPARE	10ABC	89		RECHARGED
-2 4	SPARE	20ABC	90		RECHARGED
-2 5	SPARE	20ABC	82	88	MAINTENANCE SERVICE
→2 5	SPARE	20ABC	88		MAINTENANCE SERVICE
-27	SPOT TRUCK #105	2.5BC	∘ 8ò		MAINTENANCE SERVICE

-29

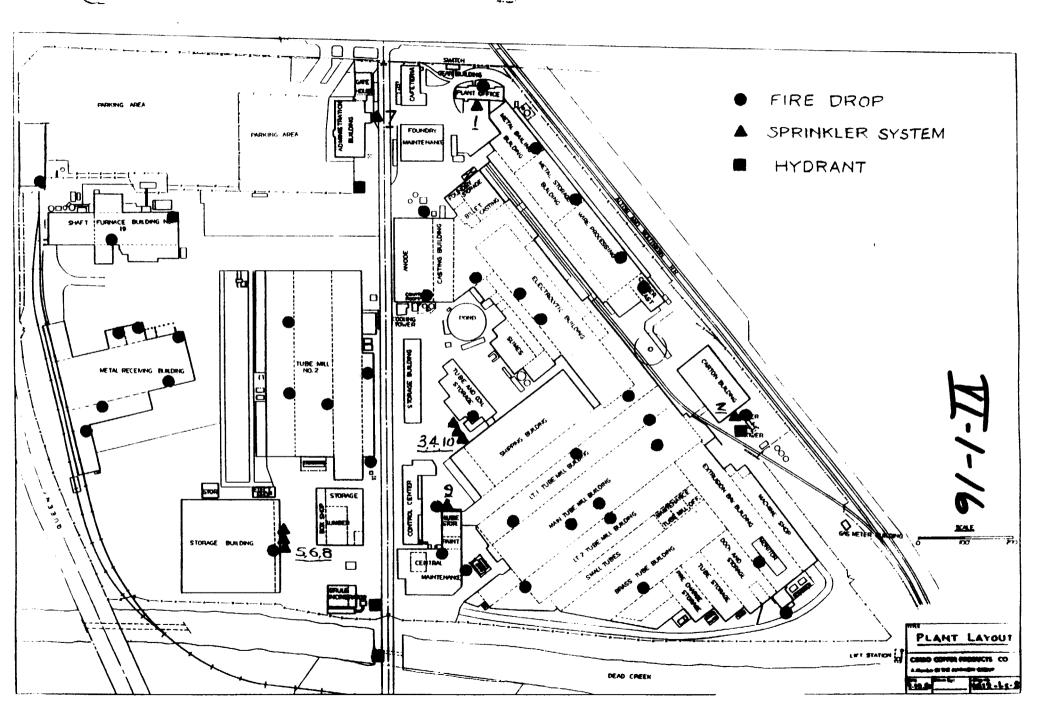
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-30

-31

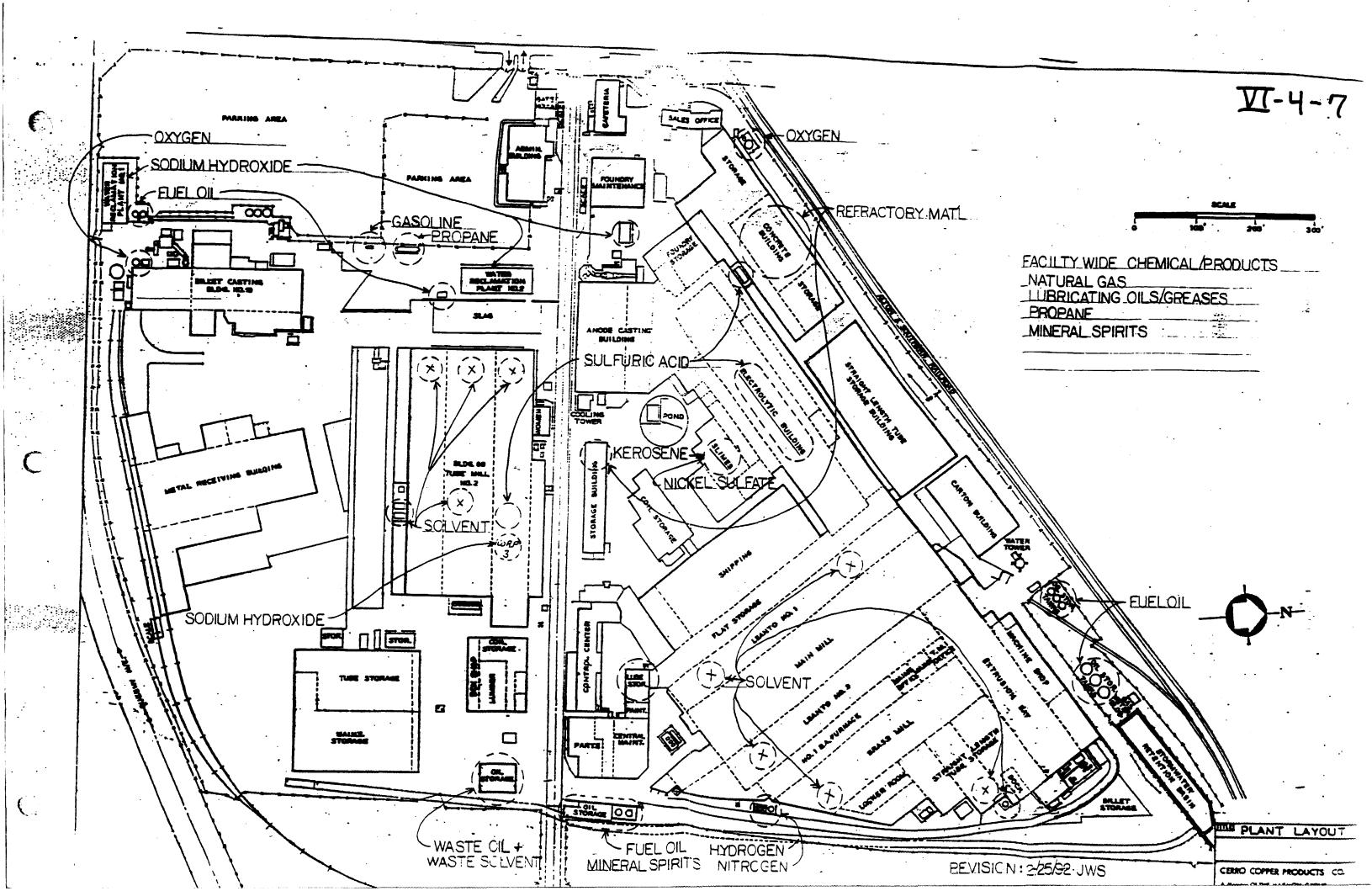
-32

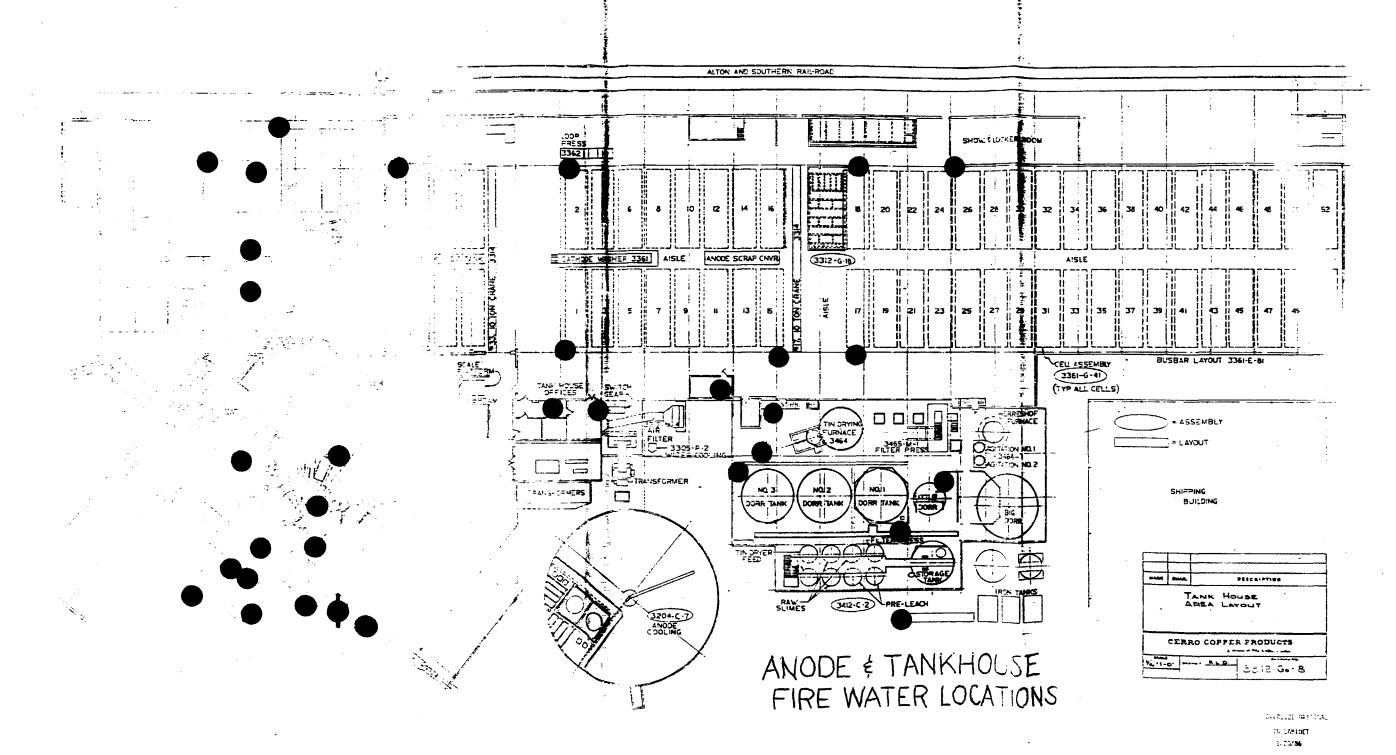
Prepared by:
MIDWEST FIRE PROTECTION COMPANY
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(314) 521-0550



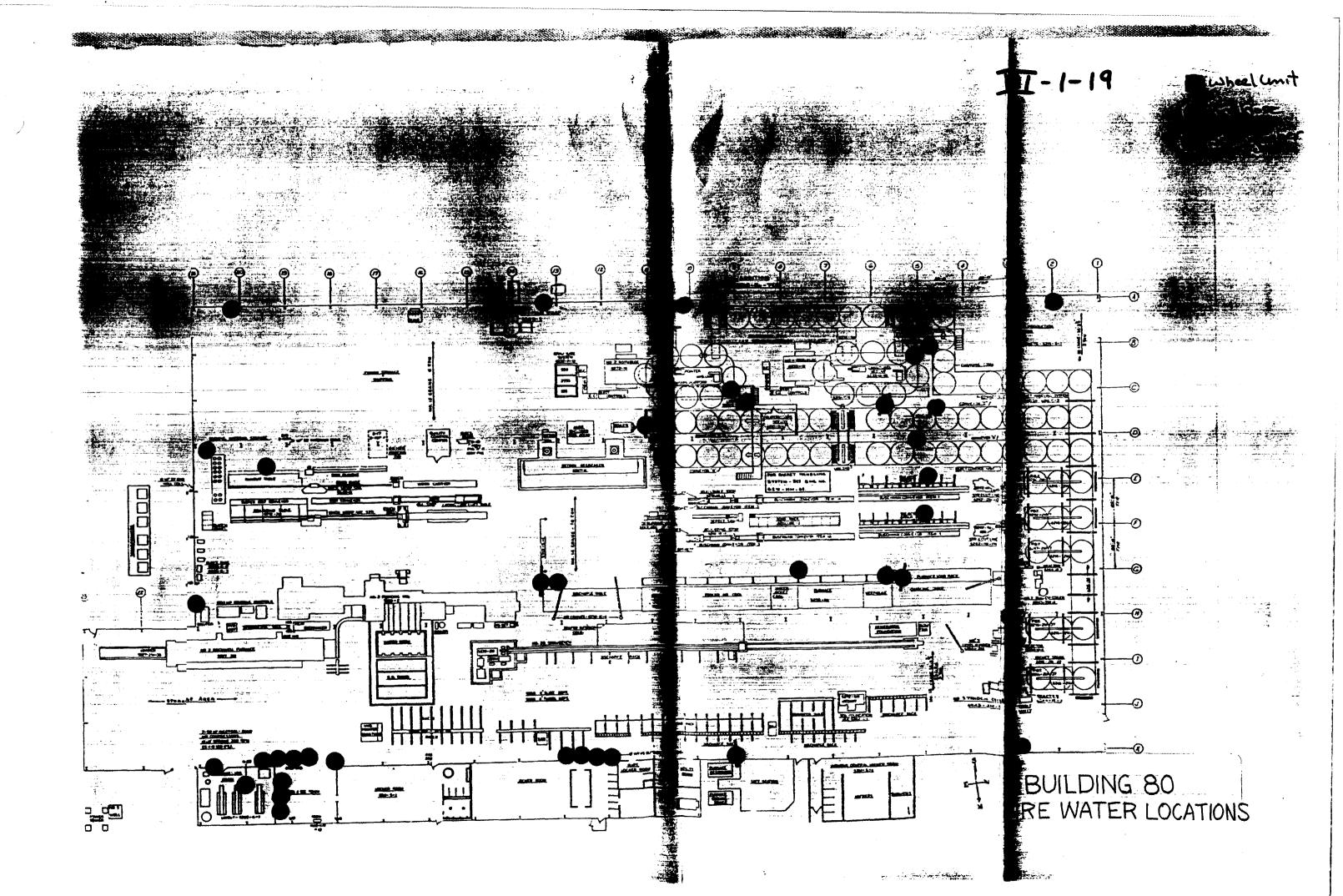
FIRE WATER LOCATIONS

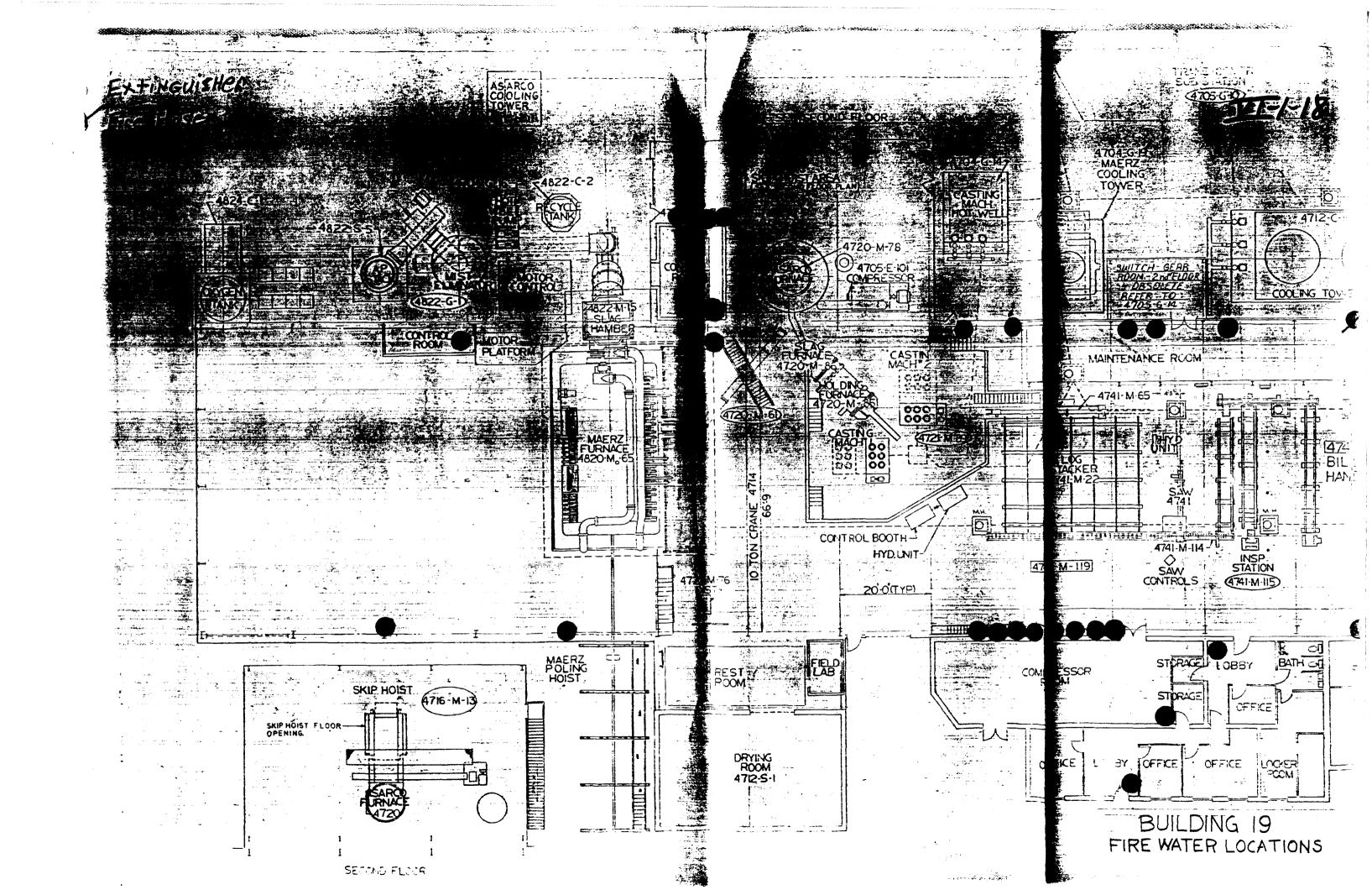
11-14 10/22/03





EXTINGUISHER (32)





CRITICALLY ILL OR INJURED EMPLOYEE

- 1. Remove the victim from the immediate area if needed to prevent additional injury, without jeopardizing the safety of others. If the victim has faller and has a possible back or neck injury do not move him unless it is a life threatening situation. Have someone call for help immediately.
- 2. <u>CALL FOR HELP!</u> During the day shift dial extension 210 and notify the plant nurse and Safety Department of an accident. If there is no answer after 3 rings, call Security at 350 and request an ambulance. On second and third shift call extension 350 and request an ambulance to your location.
- 3. If the victim stops breathing, check the area quickly for electrical wires before touching him. If live electrical wires are present carefully remove them from the area using a wooden stick. After removing the victim to a safe area initiate CPR if needed. If you do not know CPR call for help. If bleeding is noted apply direct pressure to the wound. Lay the victim down if standing or sitting and cover with a blanket to decrease the chances of shock.
- 4. When requesting medical assistance from the Dispensary, or an ambulance, state the location, person or persons injured and types of injuries, if known
- 5. Clear the area as much as possible to help get the stretcher from the ambulance to the victim.
- 6. Notify Mr. Tandler and Mr. Conreaux of the accident.
- 7. Initiate an accident investigation. Interview everyone involved while it is still fresh in their mind. Document all information accurately.
- 8. Send an Accident Report to the Safety Department as soon as possible that day to ensure proper followup of the incident.

CHEMICAL SPILLS

GUIDELINES FOR MAINTENANCE & OPERATING SUPERVISORS

FEBRUARY 1991

These guidelines cover chemical spill incidents occurring on the ground and into the sewer system. These guidelines are not meant to cover every situation, but will provide the supervisor aid in determining the right course of action. When a spill occurs remember three guidelines:

"CONTAIN" the spill.

"CLEAN-UP" the soill.

"REPORT" the spill.

No matter how the spill occurs or the circumstances surrounding the spill the supervisor can never go wrong or get into trouble if he follows the directions above.

I. CONTAIN & CLEAN-UP

If a spill occurs to the ground or pavement, every attempt should be made to dike the spill. Additionally, the <u>safety</u> of the employee is of the highest concern and when cleaning up spills the employee must be properly protected with gloves, glasses or goggles, boots, coveralls and/or a respirator if needed. The Storeroom maintains the appropriate safety gear to be used in a clean-up.

- a) For spills of oils and solvents use oil absorbent material for diking and clean-up. After the spill has been contained sweep up the absorbent material and place it in a barrel or container.
- b) For actidic materials spills, use a powdered neutralizing material such as soda ash, bag lime or calcium carbonate for diking and clean-up. Once an actid spill is neutralized it can be hosed down to the sewer with water, or if it's tankhouse solution it can be picked up and placed in barrels for possible recovery. Actidic solution spills inside the tankhouse can be hosed to the containment area for recovery.
- c) Spills of caustic type material can be hosed to the sewer with a large amount of water.
- d) Spills of sludge, dusts and other solid material should always be swept up into a container.
- e) If you are not sure how to clean-up the spilled material, or don't know the material contents, look at the MSDS.
- f) When a spill is to a sewer, always flush with a large amount of water.
- g) Always mark or label a container where you have put the cleaned up materia

II. REPORTING (Spills to the ground or to the sewer.)

Always report a spill on the ground outside of a building or to the sewer inside or outside of a building to the senior supervisor. Spills inside of buildings are not included if they do not go to the sewer. The outside ground is soil, pavement and concrete outside of the building.

For small spills, less than 55 gallons of a liquid or 100 pounds of a solid, the senior supervisor should call Environmental Affairs at Extension 297 and report the date and time of the spill, the location of the spill, the material spilled, the amount spilled and when it was cleaned up. If there is no one available to take the information, leave a message on the recorder. The only exception to this rule are spills of mineral oil or lubricant, no reporting requirements are needed for these two items if spilled.

For large spills the senior supervisor should notify Environmental Affairs during the first shift on weekdays and the guards on off shifts and weekends. The guards are instructed to phone the reported spill to someone from Environmental Affairs at home. The senior supervisor should always follow-up with a hand written note on the incident. It is imperative that all chemical spills be reported to the Environmental Affairs Department immediately. Failure to do so could result in legal action against Cerro Copper Products Co., or the supervisor in charge.

Other Addressees (W/O Attach) H.L. Schweich J.R. Matcuk E. King A. Finkelstein R.L. Deatherage (" J. D. Burroughs (" - 11 J.W. Staples S. Bahno W. Blacksher

INTERNAL MEMORANDUM

To: Distribution

Date: January 22, 1992

From: J. M. Grana

Subject: Chemical Spill Disaster

Distribution: P. Tandler

J. Gehlhausen

R. E. Conreaux

E. Perschbacher

J. Davis

M. McNerney

Cerro recently has contracted with Riedel Environmental Services as our Chemical Spill or Release Disaster Response. In the event Cerro has a chemical spill or release which can not be handled by Cerro's own personnel, Riedel will respond if called by Cerro. Riedel's local response team in stationed in St. Charles, Missouri. Since Riedel is a national company, they can also be used in the event one of our shipments of hazardous materials (slimes, nickel sulfate, sludges, etc.) is involved in a transportation spill incident.

Riedel has been given the names of those individuals under this memo's distribution list along with myself as the only authorized initiators for Riedel to respond to a chemical spill or release. Below is the procedure for initiating a Chemical Spill or Release Disaster Response by Riedel.

- 1. Riedel is only to be called in the event that a chemical spill or release disaster has occurred. A chemical spill or release disaster is defined as a spill or release which can not be absorbed, neutralized or otherwise controlled at the time of the spill or release by Cerro employees in the area of the spill or release or by Cerro maintenance personnel. These are situations which would require outside equipment or expertise in handling the spill or release. It is your decision at the time of the incident on whether our employees should respond or if the spill or release is beyond the capability of our employees and/or the spill equipment Cerro maintains at the plant. Examples of a Chemical Spill or Release Disaster are:
 - a. Chemical tanker truck for sulfuric acid, sodium hydroxide, solvent, gasoline, fuel oil or mineral spirits, has an accident spilling the entire contents of the truck.

- b. The storage tanks for the above chemicals ruptures causing widespread contamination.
- c. Natural disaster (fire, tornado, earthquake) causing chemical storage areas to release chemicals to the environment.
- 2. When a chemical spill or release disaster occurs place a phone call to Riedel at 1-800-334-0004 and provide the following information.
 - a. Your name and company job title.
 - b. Company name, address (3000 Mississippi Ave or Illinois Route 3) and company phone number.
 - c. Location of the spill or release & the chemical(s) involved in the spill or release.
 - d. Approximate time of the spill or release.
 - e. Nature of the spill or release (storage tank rupture, tanker truck accident, if the spill is contained or going to sewer, etc)
 - f. Your phone number if calling from a location other than your office. They have been instructed to phone you back to confirm the call.
- 3. Cerro can limit the notice to Riedel to a "mobilization-standby". Riedel will not dispatch equipment or personnel to the scene but will prepare for a second call from Cerro authorizing mobilization.
- 4. When Riedel arrives at the spill or release scene, you will again be asked to authorize them to respond to the spill or release.

I have attached Riedel's current rate schedule. In a couple days I will send you stickers with Riedel's emergency phone number on it.

JAM

MOTTAMROANI ROT . 233223ROOL RAHTO

CERRO COPPER PRODUCTS CO.

VT-4-5

INTERNAL MEMORANDUM

HO-10 SHOW NAME, TITLE AND UNIT OF ACCRESSEE AND ACCRESSOR

All Maintenance Supervisors

M. McNerney FROM:

EMERGENCY SPILL SUPPLIES SUBJECT:

A serious spill of hazardous materials such as the rupture of a large solvent storage tank would be handled by an outside contractor, but there are other more likely spills of a less severe nature that Cerro personnel, with proper supervision, can take care of. The priority in any situation is to safeguard our employees and contain a spill. It is likely that Maintenance will be notified in a situation such as this and should be prepared to assist. Arrangements have been made to provide the necessary supplies and tools to Maintenance and Production for rapid response.

For this purpose, emergency supplies, tools, etc. are stored on a cart located in the center aisle vault in the concrete building. The vault is identified and locked with the key located in the outer Foundry Maintenance Office.

In the event you are notified of a potential problem, at your discretion, go ahead and move the cart to the spill area. Included with the cart are Material Safety Data Sheets which will detail the correct procedures for each substance.

Above all, work safety - remember to isolate the area first following procedures explained during your chemical spill training.

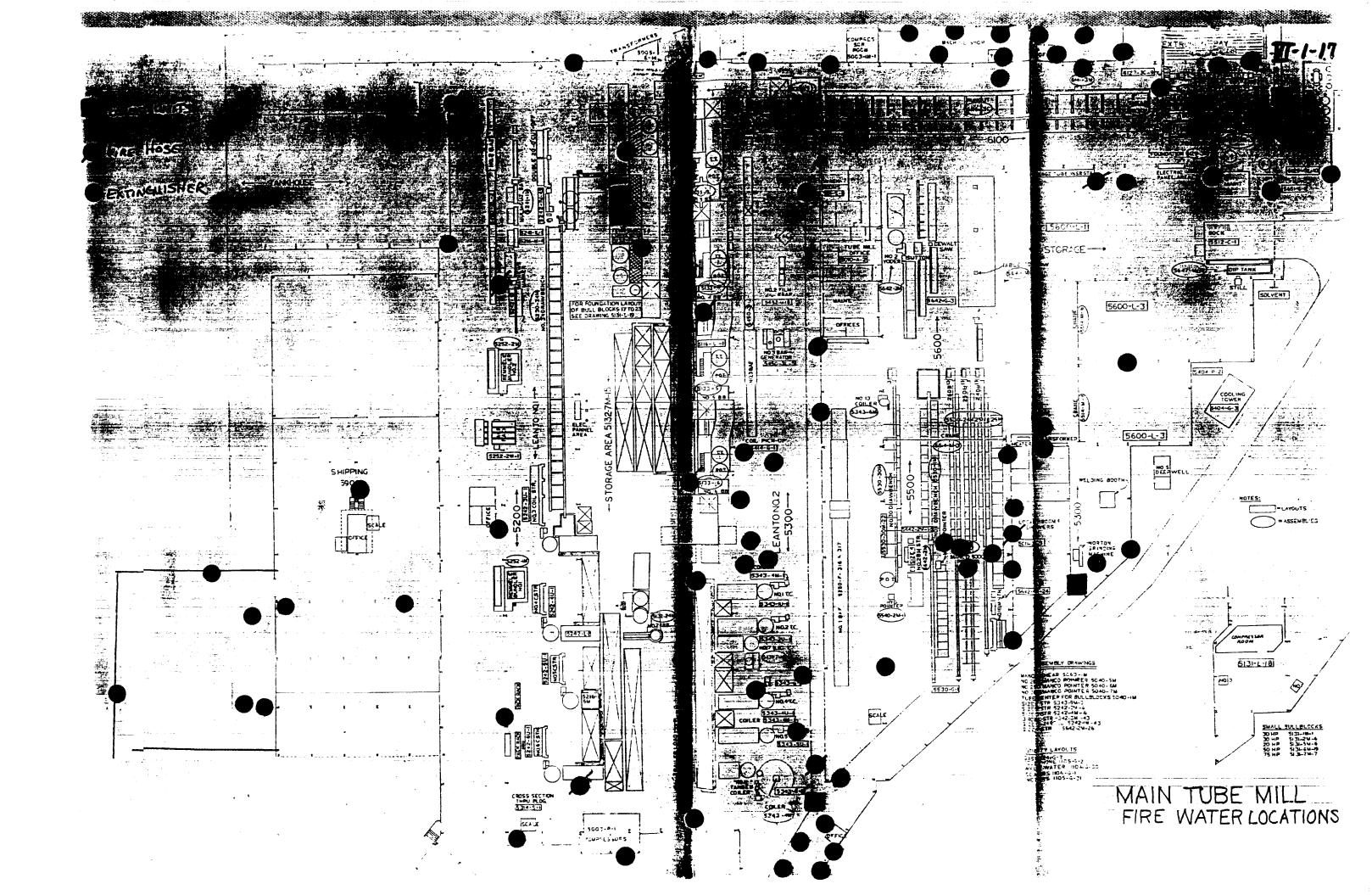
MM/ga

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duvide like a lock put on this down north a hear one for the accordance to the Cook that the thing of conductions of the things
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STORES PART = 
20-01253
                  BARRICADE TAPE, BLACK CAUTION ON YELLOW BACKGROUND
                                                                            VI-4-6
   _0-01109
                 SAFETY CONE 36"
                 SAFETY COME 18"
   70-01110
                 FIRE HOSE 100 FT. 1 1/2"
   20-01276
... 20-01280
                 FIRE HOSE 50 FT. 2 1/2"
                 FOG NOZZLE 1 1/2"
   20-01277
                 FIRE HOSE ADAPTERS 2 1/2" X 1 1/2"
   20-01281
                 FIRE HOSE WRENCH
   20-01289
   20-01282
                 FIRE HYDRANT WRENCH
                 RUBBER GLOVES
   20-01020A
                 GLOVES, NITRILE SIZE 10
   20-01504
                 GLOVES, NITRILE SIZE 11
   20-01505
                 HARD HAT BRACKET FOR 20-01114B FACE SHIFTD
   20-01114A
                 FACE SHIELD USE WITH 20-01114A HARD HAT BRACKET
   20-011148
                 CHEMICAL SPLASH GOGGLES - MFG. BY JACKSON
   20-01205
                 CHEMICAL SPLASH GOGGLES
   20-01209A
                 KNEE BOOTS SIZE
   20-01211
                 RNEE BOOTS SIZE
   20-01212
                 KNEE BOOTS SIZE
   20-01213
                 KNEE ECCTS SIZE
   20-01216
                                   10
                 KNEE BOOTS SIZE
   20-01217
                                   11
                 KNEE BCCTS SIZE
                                   12
   20-01218
                 KNEE BOOTS SIZE
                                   13
   20-01219
   20-01500
                 BCCTS, LATER LIGHT DUTY MEDIUM
                 ECOTS, LATEX LIGHT DUTY: X-LARGE
   20-01501
                 COVERALLS T/HCOD DISPOSABLE: LARGE
   ∠0-01502
                 COVERALLS T/HCOD DISPOSABLE: X-LARGE
   20-01503
                 EM DUST RESPIRATOR
   20-01207
                 SM SERIES 5000 EASI-CARE DUAL CARTRIDGE RESPIRATOR
   20-01337
                   WITH ORGANIC VAPOR ONLY CARTRIDGE INSTALLED
                 PRO-TECH 1694 FULL FACE GASMASK USE CARTRIDGES STORES #20-01209
   20-01448
                 PRO-TECH 1694 REPLACEMENT CARTIDGE TYPE J FOR ORGANIC VAPORS,
   20-01209
                      DUSTS, MISTS, ACIDS GAS & RADIONUCLIDES MFG #:G104&G208
                 RESPIRATOR COMFO II WITH CARTRIDGES INSTALLED FOR PAINTERS
   20-01441
                 CARTRIDGES FOR COMFO II RESPIRATOR (MFG. #: 464031) (ORGANIC VAPORS ONLY)
   20-01442
                 PREFILTER FOR COMFO II RESPIRATOR WITH 20-01442 & 01449 FOR PAINT
   20-01443
                 FILTER COVER FOR COMFO II RESPIRATOR WITE 20-01442 & 01443 FOR PAINT
   20-01449
                 RESPIRATOR COMFO II WITHOUT CARTRIDGES
   20-01451
                 MSA COMBINATION CARTRIDGE TYPE GMC-H MFG. # 464027 FOR COMFO II RESPIRATOR
   20-01450
                  FOR ORGANIC VAPORS, CHICRINE, HYDROCHLORIC ACID, SULFUR DIOXIDE.
                   CHICRINE DIOXIDE, HYDROGEN SULFIDE AND BUST, MISTS AND FUMES
  28020-00
                 SCREENT PILLOWS
                 SCREENT THEES
  00-05086
  PO-03011
                OIL DRY
     -03090
                 RAGS
```

ومالك المداري المدارية المشتاتات والمنتاث والمنافع المنافع المنافع والمنافع والمساور

CVERPACK DRUMS LOCATION AT IN THE HAZARDOUS WASTE STORAGE AREA AT RECLAMATION SITE LOCALIM BICARBINATE FOR ACID SPILL NEUTRALIZATION STORED AT WRP1
TRANGE BARRICADE BARRELS STORED MEAR EMERGENCY DISASTER EQUIPMENT STORAGE BUILDING



AIR CONTAMINANT EMISSIONS ALERT GUIDELINES FOR MAINTENANCE & PRODUCTION SUPERVISORS FEBRUARY 1990

In the event of the release of airborne hazardous material from one of the neighboring chemical plants, the Emission Alert Siren will sound. This siren is located on the northern boundary of our plant with Monsanto facing our direction. The siren is a high pitch steady tone that will last 4 minutes. The siren is tested at 2:00 p.m.the first Tuesday of the month.

It is not possible to provide a set of "hard and fast" rules to follow in case of this emergency. However there is no substitute for good judgement and there are some general procedures to follow when the siren is heard.

If you have not been alerted to a release, but hear the siren contact the supervisor in charge of your Department. The production and maintenance area supervisors in charge should call the guard's office to alert them and to determine the status of the alert and the wind direction. However, the guards will probably already have been alerted from either the offending company or the Sauget emergency team. Security should be sure both production and the maintenance departments are alerted. The Tube Mill Maintenance Supervisor should alert the Machine Shop.

If you are alerted by the guard of a release, supervisors in charge should keep in mind the following:

- 1. Exposure to the hazard will be much less inside buildings than outside. Preferably inside enclosures with ventilation systems such as offices, rest areas and locker rooms.
- 2. Close all icors, windows and building openings. This will increase the protection inside the building.
- 3. Respirators are not effective devices to remove fumes unless the respirator has a cartridge for the specific fume. Respirators are also not effective on fumes that attack the eyes or skin. The best protection is to stay inside a sealed building.
- 4 Plant communications and instructions should be maintained between the senior area supervisor and the guards.
 - 5 Machinery must be left in a safe condition.

``

- 6. If an emission enters an area, the department superintendent of supervisor in charge will make the decision to move the personnel awafrom the area
- T. A plant-wide evacuation would not be expected but may be calle by the Plant Manager, Vice President or the Company President. I their absence Department Supervisors should start an evacuation i local authorities recommend such an action to our Security Force which will communicate this to senior department supervisors.
- 8. The all clear siren is a low pitched siren lasting 3 minutes. 2/14/90

J. Hintz

J. Sundstrom

P. Tandler

R. E. Conreaux

A. Einkelstein

J. Schuster

J. Davis

E. Perschbacher

M. McNerney

File

DATE: ___January 24. 1992

Deatherage

INTERNAL MEMORANDUM

CERRO COPPER PRODUCTS CO.

HQ-10 SHOW NAME, TITLE AND UNIT OF ADDRESSEE AND ADDRESSOR

> John Gehlhausen TO:

FROM:

Scott Bahno

SUBJECT:

EMISSION ALERT SYSTEM - REVISION

In the event there is a release of an airborne contaminant from one of the neighboring chemical plants, the emission alert siren will sound as indicated on the attached description. The siren is located near the northern boundary of our plant next to Monsanto, facing our direction.

Should such a release occur, the facility releasing the contaminant has a checklist of procedures to follow including: various state and federal agencies to alert, the Sauget Police and if needed, the Sauget Fire Department. If our facility were to be affected by a release, our Security Department would be contacted by the facility suffering the release. In the event Security is notified of a release, they should obtain the following information from the contacting facility:

- 1. Wind direction
- Contaminant released
- 3. Concentration of release
- 4. Other pertinent information.

Security should then contact each department head, alerting them to the situation.

The proper course of action to take according to Monsanto officials, if our facility were to be affected by such a release, would be to proceed directly to an inside enclosure such as an office, break room, etc. If this space has an air conditioning unit, the "ventilation" control should be placed in the CLOSED position to prevent airborne contaminants from entering. Doors and windows should be closed securely. Stay put until the "all clear" siren is sounded, or directed by management.

As a reminder, be sure to place any machinery into a "safe" condition prior to leaving your work area.

Pett E. Bl

SE.B/ge

Attachment

EARTHOUAKES

Earthquakes usually occur without warning and employees must move to previously designated evacuation areas at the first sign of shaking to avoid injury. In addition, the Emergency Coordinator will have to anticipate the following:

- 1. General panic and confusion.
- 2. Building collapse or severe structural damage.
- 3. Disruption of all utilities.
- 4. Loss of public fire protection water supplies.
- 5. Loss of outside aid such as fire and police departments and ambulance service.
- 6. Rescue of injured employees and transport to trauma centers.

To be prepared for an earthquake, the following must be done before a quake strikes:

- 1. Survey the plant to determine what equipment or items may topple or slide during a quake. Take steps to secure the items and consider the following modifications:
 - a. Fit shelves with high lips or place rods or chains across shelf openings to secure them.
 - b. Store valuable objects in closed cabinets.
 - c. Store chemicals in unbreakable containers, at floor level. Do not store chemicals that react against each other in the same place.
 - d. Lock brakes on all material handling equipment not being used.

EARTHOUAKES (Cont'd.)

- e. Allow adequate clearance around piping passing through walls and floors. Use flexible couplings or flexible piping, if possible.
- f. Install sway bracing on all piping.
- g. Upgrade mountings, fasteners, connectors, etc., on existing equipment to improve earthquake resistance.
- h. Consider seismic adequacy on all new installations such as boilers, machinery and switchgear.
- i. Anchor and properly brace all equipment, especially tanks.
- j. Install instruments to monitor seismic disturbances.
- 2. Protect fire protection equipment.
- 3. Assemble emergency supplies, including portable generators, food, communications equipment and medical supplies in an earthquake resistant place.

If an earthquake strikes, follow these rules:

- 1. Don't panic.
- 2. Once the shaking stops, evacuate the plant in an orderly fashion. Assemble at a pre-determined location and take a head count. (See evacuation section of this guide.)
- Shut off utilities and hazardous material lines.
- 4. Fight fires that may have developed.
- 5. Get in touch with Civil Defense authorities.
- 6. Assess damage.
- 7. Initiate rescue and salvage operations.

EARTHOUAKES (Cont'd.)

- 8. Stay out of structures weakened by the quake.
- 9. Be alert for aftershocks. Aftershocks have been known to be just as damaging as the original quake.
- 10. Have alternate plans for transportation of injured persons, such as company cars, employee cars and even outside helicopter use, if available.

APPENDIX C DOCUMENTATION OF PLAN RECEIPT



P.O. Box 66800 St. Louis, MO 63166-6800 618/337-6000

October 26, 1992

Mr. Donald Snyder Memorial Hospital 4501 North Park Drive Belleville, IL. 62223



Re: Contingency, Emergency & Preparedness Plan

Dear Mr. Snyder:

Enclosed please find a revised copy of the CERRO COPPER PRODUCTS EMERGENCY RESPONSE PLAN. This information is provided to your organization to assist your personnel in having the proper emergency services available should an occurrence at our facility cause the plan to be implemented such that your services become necessary.

The delivery of the Plan to an organization such as yourself is mandated by the State of Illinois regulation 35 Illinois Administrative Code 724.137, which is enforced by the Illinois Environmental Protection Agency. The regulations also require that we ask those organizations to acknowledge receipt of the Plan. To provide documentation of your receipt of the Plan, please have a member of your management staff or yourself sign the bottom of this letter and return it to my attention at the address in the letterhead. I recommend that you retain a copy of this letter following you signature.

Cerro appreciates your assistance in this matter.

Very truly yours,

CERRO COPPER PRODUCTS

Joseph M. Grana

Manager of Environmental

and Energy Affairs

Donald E Schneid

(Name)

Director of Safety Se (Title)

1)c7' 23, /992 (Daté)





P.O. Box 66800 St. Louis, MO 63166-6800 618/337-6000

October 26, 1992

Mr. Patrick Delaney, Chief Village of Sauget Police Department 2897 Falling Springs Road Sauget, IL 62206

Re: Contingency, Emergency & Preparedness Plan

Dear Chief Delaney:

Enclosed please find a revised copy of the CERRO COPPER PRODUCTS EMERGENCY RESPONSE PLAN. This information is provided to your organization to assist your personnel in having the proper emergency services available should an occurrence at our facility cause the plan to be implemented such that your services become necessary.

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Cerro appreciates your assistance in this matter.

Very truly yours,

CERRO COPPER PRODUCTS

Joseph M. Grana

Manager of Environmental

and Energy Affairs

11-30-92 (Date)



P.O. Box 66800 St. Louis, MO 63166-6800 618/337-6000

October 26, 1992

Mr. George Salsman St. Mary's Hospital 3120 State Street East St. Louis, IL 62205

Re: Contingency, Emergency & Preparedness Plan

Dear Mr. Salsman:

Enclosed please find a revised copy of the CERRO COPPER PRODUCTS EMERGENCY RESPONSE PLAN. This information is provided to your organization to assist your personnel in having the proper emergency services available should an occurrence at our facility cause the plan to be implemented such that your services become necessary.

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Cerro appreciates your assistance in this matter.

Very truly yours,

CERRO COPPER PRODUCTS

Joseph M. Grana

Manager of Environmental

and Energy Affairs

Signature)

(Name)

(Name)

(Title)

(Date)



P.O. Box 66800 St. Louis, MO 63166-6800 618/337-6000

October 26, 1992

Mr. Roger Thornton, Chief Village of Sauget Fire Department 2897 Falling Springs Road Sauget, IL 62206

Re: Contingency, Emergency & Preparedness Plan

Dear Chief Thornton:

Enclosed please find a revised copy of the CERRO COPPER PRODUCTS EMERGENCY RESPONSE PLAN. This information is provided to your organization to assist your personnel in having the proper emergency services available should an occurrence at our facility cause the plan to be implemented such that your services become necessary.

The delivery of the Plan to an organization such as yourself is mandated by the State of Illinois regulation 35 Illinois Administrative Code 724.137, which is enforced by the Illinois Environmental Protection Agency. The regulations also require that we ask those organizations to acknowledge receipt of the Plan. To provide documentation of your receipt of the Plan, please have a member of your management staff or yourself sign the bottom of this letter and return it to my attention at the address in the letterhead. I recommend that you retain a copy of this letter following you signature.

Cerro appreciates your assistance in this matter.

Very truly yours,

CERRO COPPER PRODUCTS

Joseph M. Grana

Manager of Environmental

and Energy Affairs

(Signature)

Roger ThornTon

ChieF (Title)

10 - 28 - 92 (Date)



P.O. Box 66800 St. Louis, MO 63166-6800 618/337-6000

October 26, 1992

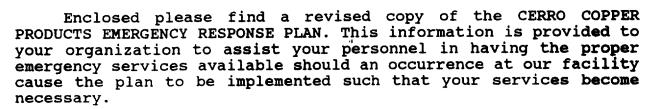
Mr. Bill Schreiber

St. Clair County Emergency Services

and Disaster Agency 321 West "F" Street Belleville, IL 62220

Re: Contingency, Emergency & Preparedness Plan

Dear Mr. Schreiber:



The delivery of the Plan to an organization such as yourself is mandated by the State of Illinois regulation 35 Illinois Administrative Code 724.137, which is enforced by the Illinois Environmental Protection Agency. The regulations also require that we ask those organizations to acknowledge receipt of the Plan. To provide documentation of your receipt of the Plan, please have a member of your management staff or yourself sign the bottom of this letter and return it to my attention at the address in the letterhead. I recommend that you retain a copy of this letter following you signature.

Cerro appreciates your assistance in this matter.

Very truly yours,

CERRO COPPER PRODUCTS

/Joseph M. Grana

Manager of Environmental

and Energy Affairs

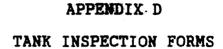
(Name)

CCT 2 9 1992

(Title)

(Date)







HAZARDOUS WASTE DAILY INSPECTION LOG FOR _____(month) ____(year) FOR RECLAMATION AREA. ANY LEAKS OR CORROSION? : HI-LEVEL: CONTAIN.: ACCESS : REMARKS : DAY : TANKS CONTAIN.: ALARM : CLEAR : CLEAR? : ON BACK?: (INITIALS) б

APPENDIX E LAND DISPOSAL RESTRICTION NOTIFICATIONS

October 20, 1992

Holnam, Inc./Safety-Kleen P.O. Box 456 Clarksville, Missouri 63336

Customer Service Representative:

A RCRA Inspection by Illinois E.P.A. on this date pointed out a discrepancy which we need your help to correct. For a period of time after the Land Ban sheets were required to be sent with the manifest we failed to copy those sheets for our files. Would you please, at your convenience, photocopy the Land Ban sheets accompanying the following manifested shipments to your facility. We are very appreciative of the services you have provided in the past and will be grateful for your assistance in this matter.

Shipment Date	Manifest Number	Missouri Manifest Number
November 12, 1990 December 26, 1990	00006 V 00007	10478-0006 10478-0007
January 21, 1991	00001 ~	10478-0001
February 11, 1991 March 11, 1991	00003 ✓	10478-0002 10478-0003
April 4, 1991 April 23, 1991	00005	10478-0004 10478-0005
May 8, 1991 July 8, 1991	00006 00010	10478-0006 10478-0010
August 27, 1991 October 23, 1991	,	10478-0012 10478-0012
November 20, 1991 February 13, 1992	00017 V 00003 V	10478-0017 10478-0001
March 20, 1992	00004	10478-0004
May 14, 1992	00006	10478-0006

Again, your assistance will be appreciated.

Very truly yours,

CERRO COPPER PRODUCTS CO.

Joe D. Burroughs

Environmental Engineer

HOLNAM SACETY-KLEEN EPA ID NO: MODO29729688

S.E. HILNUMY 79 NOATH

CLARKSVILLE, MO 63336

Under manifest number DDDD b line number 1/ Q (enter 11a, 11b, 11c, OR 11d) the Generator noted below is shipping to you a waste determined to be restricted under 40 CRF Part 268. In accordance with 40 CFR 268.7, the generator hereby provides notice that the waste is restricted and the EPA waste code and the appropriate treatment standards are as follows:

EPA Waste Codes: Socs FOOL DODI, DOUS, DOUS

F001-F005 Spent Solvents	TREATMENT	STANDARDS (mg/	<u>1)</u>
FOOT FOOD Spent Governe	Wastewater	All Other	Check All
Regulated Hazardous Constituent	w/Solvents	Solvent Wastes	That Apply
Acatona	0.05	0.59	
Benzene	0.07	3.7	
n-Butyl alcohol	5.0	5.0	
Carbon disulfide	1.05	4.81	
Carbon tetrachioride	0.05	Q.9 6	
Chlorobenzene	0.15	0.05	
Cresols (and crestyle acid)	2.82	0.75	
Cyclohexanone	0.125	0.75	
1.2-Dichlorobenzene	Q.68	0.125	
Ethyl acetate	0.05	0.75	
Ethyl benzene	0.05	0 053	
Ethyl ether	0.05	0.75	
Isobutano	5.0	5 O	
Methanol	0.25	0.75	
Marhylana chlorida	0.2	0 96	
Methylene chloride(from Pharm, Industry)	0.44	0 96	
Methyl ethyl ketone	0.05	0 75	
Methyl isobutyl ketone	0.05	0 33	
Nitrobenzene	0.65	0 125	
Pyridine	1.12	0 33	
Tetrachioroethiyene	0.079	0.05	
Toluene	1.12	0.33	
1, 1, 1 - Trichloroethane	1.05	0 41	
1 1 2 - Trichlorgethane	0.03	7.6	
1, 1, 2 - Trichloro - 1, 2, 2 - trifluoro ethane	1.05	0.96	
Trichlorethylene	0.062	0 091	
Trichiorofiuoromethane	0.05	0.96	
Xylene	0.05	0.15	
California List Prohibited Wastes	Level (mg/l)	Treatment	
Halogenated Organic Compounds	1000.0	Incineration	١
Arsenic (As) Nonwastewaters	500.0	None	
Mercury (Hg) Nonwastawaters	20.0	None	
Nickel (Ni)	134.0	Nane	
Thallium (TI)	130.0	None	
Chlorinated Biphenyls (PCB's)	50.0	Incineration	ì
CUIOLIUSIAN DIbuankis # 20 31			

Waste Descr	iptions and/or Treatment Subcategory	Treatment S	tandards Re	ference in	40 CFR R 268.42(a	Check All That Apply
				Monageter	111000	
Waste Code	Description	Wastewater		Nonwastev	A 4/4. 2	
D001:	Masterial atere (<1 0 wt% TOC and 155) .	268.42(a) D	EACT_X	NA		
0001:	Low TOC Ignitable Liquids (<10 wr% TOC)	NA		268.42(a)	DEACT	_
	LOW TOU Ignitable Liquids 110 west TOO	NA		268.42(a)	RORGS. FSI	JBS, or INCIN
	High TOC Ignitable Liquids (>10 wt% TOC)	260 421-10		268.42(a)		
D002	Corrosives, all subcategories & CA list	200.42/20	EAC1			Variance until 5-9-92
D004	Arsenic (As)	268.43(a)		268.41(a)		A SELECTE CHILLIES OF SE
0005	Barium (Ba)	268.43(a)		268.41(a)		
		268.43(a)		268.41(a)		
D006	Cadmium (Cd)	268.43(a)		268.41(a)		-
D007	Chromium (Cr)		$\overline{}$	268.41(a)		•
D008	Lead (Pb)	268.43(a)				
D009:	Law Marcury Subcatedory (<260 ppm Hg)	268.43(a)		268.41(a)		Variance until 5-8-92
0005:	High Mercury Subcategory (>=260 ppm Hg	268.43(a)		268.42(a)	RMERC	Variance until 5-8-91
		268.43(a)		268.41(a)		•
D010	Selenium (Se)			268.41(a)		•
D011	Silver (Ag)	268.43(a)		200.4 112/		-
Other Codes						-
J 00000	1 0.					
~ .	nerator Name: CERR. COPPER PR.D	JCTS GO.	EPA	D: ILDOS	0018914	
Ge						
	Cianana Cha	AX Da.	ment ha			
G●	nerator Representative Signature:	7. 10-7				

Generator Name: CERR COPPER PRODUCTS GO. EPA ID: ILDOSO018914

Generator Representative Signature: DE D. BURROVCHES ENVIRON. ENGR.

Name & Title of Representative: D89922 Control Number: D060298-5

8

EPA 10 NO: 070.0 0347.296

No

Constructed and the EPA waste code and the appropriate treatment standards are as follows:

		TOCATARENT	STANDAGOS (MATS	
	FOO1-FOO5 Spent Solvents	Wastewater	All Other	Check All
	Requisted Hazardous Constituent	w/Salvents	Solvent Wastes	That Apply
	Acetone	sp •	8 8 9 1 9	
	Benzens			-
	n-Butyl alcohol		o •	
	Carbon discirible	n (60 - C		
	Cardon (estachioride			
	(Dide Cistant test along)	2,00.2	0.75	
	1, 2 - Dichlorobenzene		0 125	
	Ethyl acetate	ନ ଜ ଫ ଫ	87 0	
	Ethyl benzene	n (6)		
	בסקים ילקיש) C	· C	
		4		
	Methylane chloride(from Pharm, Industry)	7		
			87.0	
	Methy! isobuty! ketone			
	Nitrobenzena			
	Pyridine	7.1.7		
	ietrachioroethiyene	5 5) (
		C	, 7	\
			9	4
	Trichlorativisas	0.062	0	
	Trichiorofluoromethane	0.08	96.0	
	Xylene	O	-	-
		(l/bm) (8×8)	Treatment S	Standard
	Habonara Organia Company		1 4	ヨグル
	Arseno (As) Nonvesters		None	3.30
	Mercury (Hg) Nonwastewaters		None	
	Nickel (Ni)		No.	
•	Thellium (TI)	0.0	None	-
	Chlorinated Bipnenyls (PCB's)		noneration.	-
Waste Descriptions	And/or Treatment Subnetedory	Frestment Standards	Reference in 4(1 CFR Check All
		and Technology Codes	10r 40 CFR	8 4 2(a)
Wiste Cod	Description	Wastewaters	NONWASTOWNEY	
	1.0 WTA 1.0C and 1.55	AA AA	4 2(1)	×
	Bie Liquida (>10 wt% TOC) N		268.42(a) ROAGS.	GS. FSUBS. or INCIN
0007	SUDCATEGORIES & CA list	168.42(4) DEACT_	7	
200	•	266.43(2)	258.41(a)	Variance uniti 3-8-7
		100.4.5(a)	268 4 1(4)	4
2000		68.43(2)	258.41(2)	
8000		266.43(a)	268.41(4)	
5000	ubcategory (<260 ppm Hg)	268.43(1)	3	Variance
	ubcategory (>=260 ppm Hg)	206.43(a)	60.42	Variance until 3-8
250		(F)	268 4 1(2)	Decimality
Other Codes	See attachment for supplemental (150)	 	•	
1	3		•	
•	Generalor Name: CERRO COPER MARY		EPA 10: ILD06001891	14
ğ	Generator Representative Signature:	month		•
}			1111	
4 Z	Name & Title of Representative Cost U. D	DUKKONOMS	Carifol, C	NUR

5

Control Number: 2060298

Safety-Kleen Sample Number:

SACTY KLOWN EPA 10 NO: MOD 029 779 688

WAKSHUE, No 63336

Under manifest number OPOOI line number IA (enter 11) Generator noted below is shipping to you a waste determined to be restricted. In accordance with 40 CFR 268.7, the generator hereby provides no restricted and the EPA waste code and the appropriate treatment standards Mc. (enter 11a, 11b, 11c, OR 11d) the med to be restricted under 40 CRF Part tereby provides notice that the waste is earment standards are as follows:

EPA Waste Codes: 0008 F001 10005, Dool

Safety-Kleen Sample Number: 089922	(L)be	Generator Representative Signature:	Generator Name: CERRO LOPPER RODICI	Codes. See attachment for supplemental list		High Mercury Subcategory (>=260 ppm Hg)	Lead (Fd)	mium (Cr)	Cadmium (Ca)	Arsenic (As)	Corrosives, all subcategories & CA list	TOC Ignitable Liquids (<10 wr% TOC)	ers (<1.0 wt% TOC and TSS)		Waste Descriptions and/or Treatment Subcategory	Conditional diplications (FCOS)	0.55) 5	Î Q	Arsenic (As) Nonvastevaters	St Promo		Xylene Xylene	Trichlorethylene	1, 1, 2 - Trichloro - 1, 2, 2 - trifluoroethane	Trichtoroet	1, 1, 1 - Trichlorgethane	Toluene	Pyridine		Methyl isobutyl ketone	Methylene chloride(from Pharm, Industry)	chloride	Methanoi	ctry: ether	fithyl benzene	Ethyl acetate	1,2-Dichlorobenzene	Cyclohexanone			^	D-Butyl alcohol		Regulated Hazardous Constituent	F001-F005 Spant Solvants	1
Control Number:	SURICE UNDS	The same	60.	,	268.43(a) 268.43(a)	68.43(4)	58.43(a)	68.43(a)	68.43(a)	68.43(a)	68.42(a) DEACT	> >	268.42(a) DEACT	Technology C	ireatment Standari		130.0	134.0		500			ဝ င ဝ င ဗ	0.062	1.05	0,03	1.05	1.07	1.12	O. 60	0 0		0.2	0,25		0.0 5	0.0 5		0 125	0. 7. US	0.05	 O	ло. О	0.05	w/Solvents	TREATMENT	
umber: 806 02"	Lastiren. 1		EPA ID: ILDO80018914		268.41(a) 268.41(a)	268.42(a) RMERC	268 4 (2)	268.41(a)	268.41(4)	258.41(2)	268.42(3)		2	Norwatta	S Reference in		2010	None	None	None	Incongration)	O ()					O () ပ ယ ယ					0.96				0.75		O. 7th		0.96	4	ເກ ເ. O ^		Solvent Wastes	STANDARDS (mg/I) All Other	
18-5	Elle.					Variance until 5-8-92	×		Þ	Variance until 5-8-92		S ESTURY OF INCIN		42(2)	40 CFR Check All				And agreement of the control of the		tandard					The state of the s	M	x							-									-	That Apply	Check All	

EPA ID NO: 100 004724688 SAFETY- KLEUN

ğ

63336 20

Under manifest number DCOO Z line number I/\mathcal{L} . (enter 112, 11b, 11c, OR 11d) the Generator noted below is shipping to you a waste determined to be restricted under 40 CRF Part 268. In accordance with 40 CFR 268.7, the generator hereby provides notice that the waste is restricted and the EPA waste code and the appropriate treatment standards are as follows:

EPA Waste Codes: DOOR BOO1 DOOS

2....

Requisted Hazardous Constituent Acetone Benzene n-Butyl alcohol			
	w/Sawents	Solvent Wastes	That Apply
Benzene n-Butyl alcohol	0.05	O. 559	1
n-Butyl alcohol	0.07	3.7	
	i G	O un	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	u 0 0		
Cardon disultide) u		***************************************
Carbon tetrachloride		•	
Chlorobenzene	0.15	o	
Cresols (and cresivic acid)	2.82	•	-
	0.125	0.75	
17-C1	0.68	0.125	
		27.0	
	7 L	7 10 0	
Ethyl benzene	0.05	7 (O)	
Ethyl ether	•	0.75	ł
Isobutanoi	O.	0. e	1
Methanol	0.25	0.75	1
Mathylana chlorida	0.5	96.0	
Methylphotocopy Charles (monthstry)	77		
	50.0	0.75	
) u		
Methyl isobutyl Ketone	7 U	u C C	Ì
Nirobenzene	n (Ø. O		
Pyridine	. 12	0.33	
Tetrachioroethiyene	0.079	•	
Toluene	1.12	0.33	
1, 1, 1 - Trichloroethane	1.05	0.41	
1, 1, 2 - Trichloroethane	0.03	7.6	
1.1.2 - Trichloro - 1.2.2 - trifluoroethane	1.05	96.0	
Trichloremytene	0.062	0.091	
energy throughout and an area	0	96.0	
Kylene	0.05	0.15	
California List Promitted Wastes	(l/bw, level	Treatment	Standard
Halogenared Organic Compounds		Incineration	
Nonwas		None	
Mercury (Ho) Nonwastewaters	20.0	None	
	134.0	None	
Thailium (Ti)		None	
Chlorinated Biphenyls (PCB's)	0.03	Incineration	
The supplementation of	Personal Standards Reference	4	CFR Check All
200	and Technology Co	C.F.R	268 42(a) That Apply
	Wastewaters	Nonwastewaters	الري
Wastewaters (<1.0 wt% TOC and TSS)	268.42(a) DEACT	₹	
Liquids (<10 wr% TOC)	AN AN	268.42(a) DE	DEACT

Waste Dest	Waste Describency and/or cheatment Vebratedory	- reatment Standards Me	Testment Visidards Herenbing in 40 Chr Check All
		and Technology Codes	and Technology Codes for 40 CFR 268.42(a) That Apply
Waste Cod	Description	Wastewaters	Nonwastewaters
000	Wastewaters (<1.0 wt% TOC and TSS)	268.42(a) DEACT	AN
•	low TOC lantable Liquids (<10 wc% TOC)	Z.	268.42(a) DEACT
	High TOC longage Lighted (>10 wt% TOC)	42	268.42(1) RORGS, FSUBS, or INCIN X
0000	D002 Corrosives all subcatedories & CA list	268.42(a) DEACT	268.42(a) DEACT
0004	Arsenic (As)	263.43(2)	268.41(a) Variance until 5-3-92
000	Barium (Ba)	268.43(a)	268.41(2)
9000	Cadmium (Ca)	268.43(a)	268.41(a)
2000	Chromiam (Cr)	268.43(a)	268.41(a)
0000	Lead (Pb)	268.43(a)	A
6000	Low Mercury Subcategory (<260 ppm Hg)	268.43(a)	268,41(a) Variance until 5-8-92
!	High Mercury Subcatedory (>=260 ppm Hg)	268.43(a)	RMEAC
0100	Selenium (Se) 268.43(a)	268.43(a)	268.41(3)
0011	Silver (Ag)	268.43(a)	268.41(2)
Other Codes			Column Co
Ğ	Generator Name: CERRS COPPER PRODUCTS CS.		EPA 10: 1LB080018914
		N A	
Ğ	Generator Representative Signature:	an harrie	

Name & Title of Representative:

7668

Control Number: 0060298

ENCR

EN/1Rund

BURRAUKHS

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JOE

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NOTICE OF LAND DISPOSAL RESTRICTION OF WASTE

TO: HELNAM/SARLTY-ECCENERA ID NO: MOD 02972	9688
SE HWY 79 NORTH	•
CLARKSVILLE, MO 63336	

Under manifest number 0003 line number 10. (enter 11a, 11b, 11c, OR 11dt the Generator noted below is shipping to you a waste determined to be restricted under 40 CRF Part 268. In accordance with 40 CFR 268.7, the generator hereby provides notice that the waste is restricted and the EPA waste code and the appropriate treatment standards are as follows:

EPA Waste Codes: Took Dool, Doos, Doog, FOOL

F001-F005 Spent Solvents	TREATMENT	STANDARDS (mg/l	
	Wastewater	All Other	Check All
Regulated Hazardous Constituent	w/Solvents	Solvent Wastes	That Apply
Acetone	0.05	0.59	
Benzene	0.07	3.7	
n-Butyl alcohol	5.0	5 .0	
Carbon disulfide.	1.05	4.81	
Carbon tetrachionide	0.05	0.96	
Chiorobenzene	0.15	0.05	
Cresols (and crestyle acid)	2.82	0.75	
Cyclohexanone	0.125	0.75	
1,2-Dichlorobenzene	0.68	0.125	-227-7-3
Ethyl acetate	0.05	0.75	
Ethyl benzene	0.05	0.053	
Ethyl ether	0.05	0.75	
sobutanol	5.0	5 .0	
Methanoi	0.25	0.75	
Methylene chloride	0.2	0.96	
Methylene chloride(from Pharm, Industry)	0.44	0.96	
Methyl ethyl ketone	0.05	0.75	
Methyl isobutyl ketone	0.05	0.33	
Nitrobenzene	0.65	0.125	
Pyridine	1.12	0.33	
Tetrachioroethiyene	0.079	0.05	×
Taluene	1.12	0.33	<u>_x_</u>
1, 1, 1 - Trichloroethane	1.05	0.41	<u> </u>
1, 1, 2 - Trichloroethane	0.03	7.6	
1, 1, 2 = Trichloro = 1, 2, 2 = trifluoroethane	1.05	0.96	
Trichiorethylene	0.062	0.091	
Trichlorofluoromethane	0.05	0.96	
Kylene	0.0 5	0.15	
California List Prohibited Wastes	Level (mg/l)	Treatment S	tandard
Halogenated Organic Compounds	1000.0	Incineration	
Arsenic (As) Nonwastewaters	500.0	None	
Mercury (Hg) Nonwastewaters	20.0	None	
Nickel (Ni)	134.0	None	
Thallium (TI)	130.0	None	
Chlorinated Biphenyls (PCB's)	50.0	incineration	

Waste Descr	igtions and/or Treatment Subcategory	Treatment Standards R	Reference in 40 CFR Check All
Waste Code	Description	Wastewaters	s for 40 CFR 288.42(a) That Apply Nonwastewaters
D001:	Wastewaters (<1.0 wt% TOC and TSS) .	268.42(a) DEACT	NA
	Low TOC Ignitable Liquids (<10 wt% TOC)	NA	268.42(a) DEACT
	High TOC Ignitable Liquids (>10 wt% TOC)	NA	268.42(a) RORGS, FSUBS, or INCIN X
D002	Corrosives, all subcategories & CA list	268.42(a) DEACT	_ 268.42(a) DEACT
D004	Arsenic (As)	268.43(a)	268.41(a) Variance until 5+8-92
0005	Barium (Ba)	(د) 268.43	268.41(a) Y
D006	Cadmium (Cd)	268.43(a)	268.41(a)
D007	Chromium (Cr)	268.43(a)	268.41(a)
D008	Lead (Pb)	268.43(a)	268.41(a) X
D009:	Low Mercury Subcategory (<260 ppm Hg)	268.43(a)	268.41(a) Variance until 5-8-92
	High Mercury Subcategory (>= 260 ppm Hg)	268.43(a)	268.42(a) RMERC Variance until 5-8-92
DO 10	Selenium (Se)	268.43(a)	268.41(a)
D011	Silver (Ag)	268.43(a)	268.41(a)
Other Codes			

Generator Name: CERRO Coll	EL PROQU	CTS EPA ID	: ILD080018914
Generator Representative Signature:	Jan D.	Sunda	•
Name & Title of Representative:	Joe D	BURRON LHS	ENVIRON ENER
Safety-Kleen Sample Number:			00602185

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	NOTICE OF LAND DISP	OSAL RESTRICTIO	N OF WASTE	
	HOLN AM	M = K	000000110	
, TO:	STETY-KLEGN EPA	10 NO: /// DZ	029729688	
	richalay 79 NORTH			·
7	LARKSVILLE NO 6333L		•	
<u> </u>		1/1		20.114.4.
Under Gener	r manifest number <u>DPD04</u> line numb rator noted below is shipping to you a wast		ter 11a, 11b, 11c, (restricted under 40	CRF Part
268.	In accordance with 40 CFR 268.7, the get	derator hereby prov	vides notice that the	waste is 9)
	cted and the EPA waste code and the appro	priate treatment st	andards are as tollov	vs:
EPA '	Waste Codes: DOOR FOO1 j=0605.0001 g			
	F001-F005 Spent Solvents	TREATMENT	STANDARDS (mg/l)	
	Regulated Hazardous Constituent	Wastewater w/Solvents		Check All That <u>Apply</u>
	Acetone	0.05	0.59	
	Benzene	0.07	3.7	
	n-Butyl alcohol	5.0	5 .0	
	Carbon disulfide	1.05	4.81	
	Carbon tetrachionide	0.05	0.96	
	Chlorobenzene	0.15	0.05	-
	Cresols (and crestyle acid) Cyclohexanone	2.82 0.125	0.75 0.75	
	1,2-Dichlorobenzene	0.68	0.125	
•	Ethyl acetate	0.05	0.75	
	Ethyl benzene	0.05	0.053	
	Ethyl ether	0.05	0.75	
	Isoputanol	5.0	5 . O	
	Methanol	0.25	0.75	
	Methylene chloride	0.2	0.96	
	Methylene chloride(from Pharm, Industry) Methyl ethyl ketone	0.44	0.96 0.75	
	Methyl isobutyl ketone	0.05	0.33	
	Nitrapenzene	0.65	0.125	
	Pyridine	1.12	0.33	**************************************
	Tetrachior gethiyene	0.079	0.05	
	Taluene	1.12	0.33	₹
	1, 1, 1 = Trichloroethane	1.05	0.41	X
	1, 1, 2 - Trichloroethane	0.03	7.6	
	1, 1, 2 = Trichloro = 1, 2, 2 = trifluoro ethane	1.05	0.96	
	Trichlarethylene	0.062	0.091	
	Trichlorofluoromethane Xviene	0.05	0.9 6	
	Aviene	0.05	0 . 15	
	California List Prohibited Wastes	്വാൾ, 'നവ്!),	Treatment Sta	ndard
	Halogenated Organic Compounds	1000.0	Incineration	
	Arsenic (As) Nonwastewaters	500.0 20.0	None None	
	Mercury (Hg) Nonwastewaters Nickel (Ni)	134.0	None	
	Thallium (TI)	130.0	None	
	Chlorinated Biphenyls (PCB's)	50.0	Incineration	
Wasta Desci	iptions and/or Treatment Subcategory	Treatment Standar	ds Reference in 40	CFR Check All
TVESTE DESC.	phons and or readment Sobcategory		odes for 40 CFR 26	
Waste Code		Wastewaters	Nonwastewaters	•
D 00 1:	Wastewaters (<1.0 wt% TOC and TSS)	268.42(a) DEACT_	NA	•
	Low TOC Ignitable Liquids (<10 wt% TOC)	NA NA	268.42(a) DEAC	S. FSUBS. or INCIN X
D002	High TOC Ignitable Liquids (>10 wt% TOC) Corrosives, all subcategories & CA list	NA 268.42(a) DEACT	268.42(a) DEAC	
D004	Arsenic (As)	268.43(a)	268.41(a)	Variance until 5-8-92
D005	Barium (Ba)	268.43(a)	X 268.41(a)	
D006	Cadmium (Cd)	268.43(a)	268.41(a)	
D007	Chromium (Cr)	268.43(a)	268.41(a)	_
8000	Lead (Pb)	268.43(a)	X 268.4 1(a)	
D009:	Low Mercury Subcategory (<260 ppm Hg)	268.43(a)	268.41(a)	Variance until 5-8-92
D010	High Mercury Subcategory (>= 260 ppm Hg) Selenium (Se)	268.43(a) 268.43(a)	268.42(a) RMEF 268.41(a)	RC Variance until 5-8-92
0011	Silver (Ag)	268.43(a)	268.41(a)	Company Company
-	See attachment for supplemental list			

Generator Name: CERRO CODPER PRODUCTS CO. EPA ID: ILDOBOO18914 Generator Representative Signature: D. BURROYLHS ENVIRON. Safety-Kleen Sample Number: 089922 0060298 Control Number:

NOTICE OF LAND	DISPOSAL RESTRICTION OF WASTE
HOLN AM	EPA ID NO: MOD 029729688
HIGHMAY 74 NORTH LLARKSVILLE MO 6333	
L'URKSVIUE NO 6333	34

Under manifest number 1005 line number 1/a. (enter 11a, 11b, 11c, OR 11d) the Generator noted below is shipping to you a waste determined to be restricted under 40 CRF Part 268. In accordance with 40 CFR 268.7, the generator hereby provides notice that the waste is restricted and the EPA waste code and the appropriate treatment standards are as follows:

EPA Waste Codes: D008 F001 10005 0001

Regulated Hazardous Constituent Wastewater Solvent Wastes That Apply	F001-F005 Spent Solvents	TREATMENT	STANDARDS (mg/	<u>()</u>
Acetone 0.05 0.59				
Acetone	Regulated Hazardous Constituent	w/Solvents	Solvent Wastes	That Apply
Benzene		0.05	0.59	
N=Butyl alcohol S		0.07	3.7	
Carbon disulfide 1.05 4.81 Carbon tetrachloride 0.05 0.96 Chlorobenzene 0.15 0.05 Cresols (and cresiyic acid) 2.82 0.75 Cyclonexandne 0.125 0.75 1.2-Dichlorobenzene 0.63 0.125 Ethyl acetate 0.05 0.75 Ethyl acetate 0.05 0.75 Ethyl ether 0.05 0.75 Isobutanol 0.05 0.75 Methyl ether 0.05 0.75 Isobutanol 0.25 0.75 Methylene chloride 0.2 0.96 Methyl ethyl ketone 0.05 0.75 Methyl ethyl ketone 0.05 0.125 Pyridine 1.12 0.33 Tetrachloroethlyene 1.02 0.33		5.0	5 .Q	
Carbon tetrachloride 0.05 0.96 Chlorobenzene 0.15 0.05 Cresols (and crestytic acid) 2.82 0.75 Cyclonexanone 0.125 0.75 1,2-Dichlorobenzene 0.63 0.125 Ethyl acetate 0.05 0.75 Ethyl benzene 0.05 0.75 Ethyl ether 0.05 0.75 Isobutanol 5.0 5.0 Methyl ether 0.25 0.75 Isobutanol 0.25 0.75 Methylene chloride (from Pharm. Industry) 0.14 0.96 Methyl ethyl ketone 0.05 0.75 Methyl isobutyl ketone 0.05 0.75 Methyl isobutyl ketone 0.05 0.33 Nitropenzene 0.125 0.33 Pyridine 1.12 0.33 Tetrachloroethlyene 1.12 0.33 Tollene 1.12 0.33 1,1.1-Trichloroethane 1.05 0.41 1,1.2-Trichloroethane 1.05 0.96 <td>· · · · · · · · · · · · · · · · · · ·</td> <td>1 . C5</td> <td>4.81</td> <td></td>	· · · · · · · · · · · · · · · · · · ·	1 . C5	4.81	
Chlorobenzene 0.15 0.05 Cresols (and cresivic acid) 2.82 0.75 Cyclonexanone 0.125 0.75 1,2-Dichlorobenzene 0.68 0.125 Ethyl acetate 0.05 0.75 Ethyl benzene 0.05 0.75 Ethyl ether 0.05 0.75 Isobutanoi 5.0 5.0 Methylene chloride 0.25 0.75 Methylene chloride (from Pharm. Industry) 0.14 0.96 Methyl ethyl ketone 0.05 0.75 Methyl isobutyl ketone 0.05 0.75 Methyl isobutyl ketone 0.05 0.33 Nitrobenzene 0.65 0.125 Pyridine 1.12 0.33 Tetrachloroethlvene 0.079 0.05 Toluene 1.12 0.33 1.1.1-Trichloroethane 1.05 0.41 1.1.2-Trichloroethane 1.05 0.96 1.1.2-Trichloroethane 0.05 0.96 1.1.2-Trichloroethane 0.05		0.05	0.96	
Cresols (and crestyte acid) 2.82 0.75 Cyctonexangne 0.125 0.75 1,2-Dichlorobenzene 0.68 0.125 Ethyl acetate 0.05 0.75 Ethyl benzene 0.05 0.053 Ethyl ether 0.05 0.75 Isobutanol 5.0 0.75 Methyl ether 0.25 0.75 Methyl ethoride 0.2 0.96 Methyl ethyl ketone 0.2 0.96 Methyl isobutyl ketone 0.05 0.75 Methyl isobutyl ketone 0.05 0.33 Nitropenzene 0.63 0.125 Pyridine 1.12 0.33 Tetrachloroethlyene 1.02 0.33 Toluene 1.12 0.33 1.1.1-Trichloroethane 1.05 0.41 1.1.2-Trichloroethane 1.05 0.41 1.1.2-Trichloroethane 1.05 0.96 1.1.1-Trichloroethane 0.062 0.091 1.1.1-Trichloroethane 0.062 0.091		0.15	0.05	
Cyclonexange		2.82	0.75	
1,2-Dichlorobenzene		0.125	0.75	
Ethyl benzene		0.68	0.125	
Ethyl benzene		0.05	0.75	
Ethyl ether	·	0.05	0.053	
Sobulano	•	0.05	0.75	
Methanol 0.25 0.75 Methylene chloride 0.2 0.96 Methylene chloride(from Pharm. Industry) 0.44 0.96 Methyl ethyl ketone 0.05 0.75 Methyl isobutyl ketone 0.05 0.33 Nitropenzene 0.63 0.125 Pyridine 1.12 0.33 Tetrachloroethlyene 0.079 0.05 Toluene 1.12 0.33 1.1.2-Trichloroethane 1.05 0.41 1.1.2-Trichloroethane 0.03 7.6 1.1.2-Trichloroethane 1.05 0.96 Trichlorofuloromethane 0.062 0.091 Trichlorofluoromethane 0.05 0.96 Kylene 0.05 0.15 California List Prohibited Wastes Level (mg/l) Treatment Standard Incineration Arsenic (As) Nonwastewaters Solo None None None Nickel (Ni) Thallium (Tl) 134.0 None	5 0	5.0		
Methylene chloride 0.2 0.96 Methylene chloride(from Pharm. Industry) 0.44 0.96 Methyl ethyl ketone 0.05 0.75 Methyl isobutyl ketone 0.05 0.33 Nitropenzene 0.65 0.125 Pyridine 1.12 0.33 Tetrachloroethlvene 0.079 0.05 Toluene 1.12 0.33 1.1.1-Trichloroethane 1.05 0.41 1.1.2-Trichloroethane 1.05 0.41 1.1.2-Trichloroethane 1.05 0.96 Trichlorethylene 0.062 0.091 Trichlorofluoromethane 0.05 0.96 Kylene 0.05 0.96 California List Prohibited Wastes Level (mg/ll) Treatment Standard Halogenated Organic Compounds 1000.0 Incineration Arsenic (As) Nonwastewaters 500.0 None Nickei (Ni) 134.0 None Thallium (Ti) 130.0 None		0.25	0.75	
Methylene chloride(from Pharm. Industry) 0.14 0.96 Methyl ethyl ketone 0.05 0.75 Methyl isobutyl ketone 0.05 0.33 Nitropenzene 0.65 0.125 Pyridine 1.12 0.33 Tetrachloroethlivene 0.079 0.05 Toluene 1.12 0.33 1.1.1-Trichloroethane 1.05 0.41 1.1.2-Trichloroethane 1.05 0.94 1.1.2-Trichloroethane 1.05 0.96 Trichlorethylene 0.062 0.091 Trichlorofluoromethane 0.05 0.96 Kylene 0.05 0.96 California List Prohibited Wastes Level (mg/ll) Treatment Standard Halogenated Organic Compounds 1000.0 Incineration Arsenic (As) Nonwastewaters 500.0 None Mercury (Hg) Nonwastewaters 20.0 None Nickel (Ni) 134.0 None Thallium (Ti) 130.0 None		0.2	0.96	
Methyl ethyl ketone 0.05 0.75 Methyl isobutyl ketone 0.05 0.33 Nitropenzene 0.63 0.125 Pyridine 1.12 0.33 Tetrachloroethlivene 0.079 0.05 Toluene 1.12 0.33 1.1.1 - Trichloroethane 1.05 0.41 1.1.2 - Trichloroethane 0.03 7.6 1.1.2 - Trichloroethane 1.05 0.96 Trichlorethylene 0.062 0.091 Trichlorofluoromethane 0.05 0.96 Kylene 0.05 0.96 California List Prohibited Wastes Level (mg/l) Treatment Standard Halogenated Organic Compounds 1000.0 Incineration Arsenic (As) Nonwastewaters 500.0 None Mercury (Hg) Nonwastewaters 20.0 None Nickel (Ni) 134.0 None Thallium (Ti) 130.0 None		0.44	0.96	
Metnyl isobutyl ketone 0.05 0.33 Nitropenzene 0.65 0.125 Pyridine 1.12 0.33 Tetrachlorgethivene 0.079 0.05 Toluene 1.12 0.33 1.1.1-Trichlorgethane 1.05 0.41 1.1.2-Trichlorgethane 0.03 7.6 1.1.2-Trichlorgethane 1.05 0.96 Trichlorethylene 0.062 0.091 Trichlorofluoromethane 0.05 0.96 Kylene 0.05 0.96 California List Prohibited Wastes Level (mg/l) Treatment Standard Halogenated Organic Compounds 1000.0 Incineration Arsenic (As) Nonwastewaters 500.0 None Mercury (Hg) Nonwastewaters 20.0 None Nickel (Ni) 134.0 None Thallium (Ti) 130.0 None		0.05	0.75	
Nitroperzene		0.05	0.33	
Pyridine	• • • • • • • •	0.65	0.125	
Tetrachloroethlyene	Pyridine	1.12	0.33	
1,1,2=Trichloroethane 0.03 7.6 1,1,2=Trichloro=1,2,2=trifluoroethane 1.05 0.96 Trichlorethylene 0.062 0.091 Trichlorofluoromethane 0.05 0.96 Kylene 0.05 0.15 California List Prohibited Wastes Level (mq/l) Treatment Standard Halogenated Organic Compounds 1000.0 Incineration Arsenic (As) Nonwastewaters 500.0 None Mercury (Hg) Nonwastewaters 20.0 None Nickel (Ni) 134.0 None Thallium (Ti) 130.0 None	Tetrachlorgethivene	0.079	0.05	
1,1,2=Trichloroethane 0.03 7.6 1,1,2=Trichloro=1,2,2=trifluoroethane 1.05 0.96 Trichlorethylene 0.062 0.091 Trichlorofluoromethane 0.05 0.96 Kylene 0.05 0.15 California List Prohibited Wastes Level (mq/l) Treatment Standard Halogenated Organic Compounds 1000.0 Incineration Arsenic (As) Nonwastewaters 500.0 None Mercury (Hg) Nonwastewaters 20.0 None Nickel (Ni) 134.0 None Thallium (Ti) 130.0 None	Toluene	1.12	0.33	<u>×</u>
1,1,2=Trichloroethane 0.03 7.6 1,1,2=Trichloro=1,2,2=trifluoroethane 1.05 0.96 Trichlorethylene 0.062 0.091 Trichlorofluoromethane 0.05 0.96 Kylene 0.05 0.15 California List Prohibited Wastes Level (mq/l) Treatment Standard Halogenated Organic Compounds 1000.0 Incineration Arsenic (As) Nonwastewaters 500.0 None Mercury (Hg) Nonwastewaters 20.0 None Nickel (Ni) 134.0 None Thallium (Ti) 130.0 None	1, 1, 1 - Trichloroethane	1 05	0.41	<u> </u>
Trichlorethylene 0 062 0.091 Trichlorofluoromethane 0 05 0.96 Kylene 0 05 0.15 California List Prohibited Wastes Level (mg/l) Treatment Standard Halogenated Organic Compounds 1000 0 Incineration Arsenic (As) Nonwastewaters 500 0 None Mercury (Hg) Nonwastewaters 20 0 None Nickel (Ni) 134 0 None Thallium (TI) 130 0 None		0.03	7.5	
California List Prohibited Wastes Level (mq/l) Treatment Standard Halogenated Organic Compounds 1000.0 Incineration Arsenic (As) Nonwastewaters 500.0 None Mercury (Hg) Nonwastewaters 20.0 None Nickel (Ni) 134.0 None Thallium (Ti) 130.0 None	1, 1, 2 - Trichloro - 1, 2, 2 - trifluoro ethane			
California List Prohibited Wastes Level (mg/l) Treatment Standard Halogenated Organic Compounds 1000.0 Incineration Arsenic (As) Nonwastewaters 500.0 None Mercury (Hg) Nonwastewaters 20.0 None Nickel (Ni) 134.0 None Thallium (Ti) 130.0 None	Trichlorethylene	0.062		
California List Prohibited Wastes Level (mg/l) Treatment Standard Halogenated Organic Compounds 1000.0 Incineration Arsenic (As) Nonwastewaters 500.0 None Mercury (Hg) Nonwastewaters 20.0 None Nickel (Ni) 134.0 None Thallium (TI) 130.0 None	Trichtorofluoromethane			
Halogenated Organic Compounds 1000.0 Incineration Arsenic (As) Nonwastewaters 500.0 None Mercury (Hg) Nonwastewaters 20.0 None Nickei (Ni) 134.0 None Thallium (TI) 130.0 None	Kylene	0 05	0 15	
Halogenated Organic Compounds 1000.0 Incineration Arsenic (As) Nonwastewaters 500.0 None Mercury (Hg) Nonwastewaters 20.0 None Nickei (Ni) 134.0 None Thallium (Ti) 130.0 None	California List Prohibited Wastes	Level (mg/l)	Treatment	Standard
Arsenic (As) Nonwastewaters 500.0 None Mercury (Hg) Nonwastewaters 20.0 None Nickel (Ni) 134.0 None Thallium (Tl) 130.0 None			Incineration	
Mercury (Hg) Nonwastewaters 20.0 None		500.0	None	
Nickel (Ni) 134.2 None Thallium (TI) 130.0 None		20.0	None	
manight (1)		134.0		
Chlorinated Biphenyls (PCB's) 50.0 Incineration	Thallium (TI)	130.0		· · · · · · · · · · · · · · · · · · ·
	Chlorinated Biphenyls (PCB's)	50.0	Incineration	

Waste Descri	ptions and/or Treatment Subcategory	Treatment Standards Re	eference in 40 CFR Check All
			for 40 CFR 268.42(a) That Apply
Waste Code	Description	Wastewaters	Nonwastewaters
D00 1:	Wastewaters (<1.0 wt% TOC and TSS) .	268.42(a) DEACT	NA .
	Low TOC Ignitable Liquids (<10 wt% TOC)	NA	268.42(a) DEACT
	High TOC Ignitable Liquids (>10 wt% TOC)	NA	268.42(a) RORGS. FSUBS. or INCIN X
D002	Corrosives, all subcategories & CA list	268,42(a) DEACT	268.42(a) DEACT
D004	Arsenic (As)	268.43(a)	268.41(a) Variance until 5-8-92
0005	Barium (Ba)	268.43(a)	268.41(a)
0005	Cadmium (Cd)	268.43(a)	268.41(2)
	-	268.43(a)	268.41(a)
D007	Chromium (Cr)		
D008	Lead (Pb)	268.43(a)	268.41(a)
D009:	Low Mercury Subcategory (<260 ppm Hg)	268.43(a)	268.41(a) Variance until 5-8-92
	High Mercury Subcategory (>=260 ppm Hg)	268.43(a)	268.42(a) RMERC Variance until 5-8-92
D010	Selenium (Se)	268.43(2)	268.41(a)
0011	Silver (Ag)	268.43(a)	268.41(a)
· ·			
Other Codes	See attachment for supplemental list		· · · · · · · · · · · · · · · · · · ·

Generator Name: CERRO COPPER PRODUCTS Co. EPA ID: ILDOSO018914

Generator Representative Signature: JOE D. BURROULH'S, ENVIRON. ENGR.

Safety-Kleen Sample Number: 089922 Control Number: 0060298

EPA ID NO: MOD 019729688

HIGHWAY 79 NORTH LLARKSVILLE NO 6333L

Under manifest number 0000 6 line number 1/A. (enter 11a, 11b, 11c, OR 11d) the Generator noted below is shipping to you a waste determined to be restricted under 40 CRF Part 268. In accordance with 40 CFR 268.7, the generator hereby provides notice that the waste is restricted and the EPA waste code and the appropriate treatment standards are as follows:

EPA Waste Codes: 0008 F001 0005, 0001

Safety-Kleen Sample Number: 089922

F001-F005 Spent Solvents	TREATMENT STANDARDS (mg/l)						
	Wastewater	All Other	Check All				
Regulated Hazardous Constituent	w/Salvents	Solvent Wastes	That Apply				
Acetone	0.05	0.59					
Benzene	0.07	3.7					
n-Butyl alcohol	5.0	5.0					
Carbon disulfide	1.05	4.81					
Carbon tetrachloride	0.05	0.96					
Chlorobenzene	0.15	0.05					
Cresols (and crestyic acid)	2.82	0.75					
Cyclohexanone	0.125	0.75					
1,2-Dichloropenzene	0.68	0.125					
Ethyl acetate	0.05	0.75					
Ethyl benzene	0.05	0.053					
Ethyl ether	0.05	0.75					
Isoputanol	5.0	5.0					
Methanoi	0.25	0.75					
Methylene chloride	0.2	0.96					
Methylene chloride(from Pharm, Industry)	0.44	0.96					
Methyl ethyl ketone	0.05	0.75					
Methyl isobutyl ketone	0.05	0.33					
Nitrobenzene	O.65	0.125					
Pyridine	1.12	0.33					
Tetrachioroethiyene	0.079	0.05	<u></u>				
Toruene	1.12	0.33	<u> </u>				
1, 1, 1 - Trichloroethane	1.05	0.41	X				
1, 1, 2 - Trichloroethane	0.03	7.6					
1, 1, 2 - Trichloro - 1, 2, 2 - trifluoroethane	1.05	Q.96	-				
Trichlorethylene	0.062	0.091					
Trichlorofluoromethane	0.05	0.96					
Xviene	0 35	0.15					
California List Prohibited Wastes	Level (mg/f)	Treatment S	tandard				
Halogenated Organic Compounds	1000.0	incineration					
Arsenic (As) Nonwastewaters	500.0	None					
Mercury (Hg) Nonwastewaters	20.0	None					
Nicket (Ni)	134 0	None					
Thailium (TI)	130.0	None					
Chiorinated Biphenyls (PCB's)	50.0	Incineration					

Waste Code	Description	Wastewaters	des for 40 CFR 268.42(a Nonwastewaters	
D001:	Wastewaters (<1.0 wt% TOC and TSS)	268.42(a) DEACT_	NA	
	Low TOC Ignitable Liquids (<10 wt% TOC)	NA	268.42(a) DEACT	
	High TOC Ignitable Liquids (>10 wt% TOC)	NA	268.42(a) RORGS, FSI	JBS, or INCIN X
0002	Corrosives, all subcategories & CA list	268.42(a) DEACT	268.42(a) DEACT	
0004	Arsenic (As)	268.43(a)	268.41(a)	Variance until 5-8-92
0005	Barium (Ba)	268.43(a)	X 268.41(a)	
0006	Cadmium (Cd)	268.43(a)	268.41(a)	•
0007	Chromium (Cr)	268.43(a)	268.41(a)	
2008	Lead (Pb)	268.43(a)	X 268.41(a)	
0009:	Low Mercury Subcategory (<260 ppm Hg)	268.43(a)	268.41(a)	Variance until 5-8-92
	High Mercury Subcategory (>=260 ppm Hg)		268.42(a) RMERC	Variance until 5-8-92
0010	Selenium (Se)	268.43(a)	268.41(a)	1
0011	Silver (Aq)	268.43(a)	268.41(a)	•
_	See attachment for supplemental list			•
Gen	erator Name: CERRO CODASR PRO erator Representative Signature: WE D. L.	& Anna	6hm/	

Control Number:

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NOTICE OF LAND DISPOSAL RESTRICTION OF WASTE

10: Syery-KLEEN EPA ID NO: MOD 019729688

HIGHMAY 79 NORTH

LARKSVILLE NO 63336

Under manifest number 100 fo line number 1 a. (enter 11a, 11b, 11c, OR 11d) theogenerator noted below is shipping to you a weste determined to be restricted under 40 CRF Part 268. In accordance with 40 CFR 268.7, the generator hereby provides notice that the waste is restricted and the EPA waste code and the appropriate treatment standards are as follows:

EPA Waste Codes: DOOR FOO1, DOO1, DOOS

F001-F005 Spent Solvents	TREATMENT	STANDARDS (mg/)
	Wastewater	All Other	Check All
Regulated Hazardous Constituent	w/Solvents	Solvent Wastes	That Apply
Acatone	0.05	0.59	
Benzene	0.07	3.7	
n-Butyl alcohol	5.0	5.0	
Carbon disulfide	1.05	4.81	
Carbon tetrachionide	0.05	0.96	
Chlorobenzene	0.15	0.05	
Cresols (and crestyle acid)	2.82	0.75	
Cyclohexanone	0.125	0.75	
1,2-Dichlorobenzene	0.68	0.125	
Ethyl acetate	0.05	0.75	
Ethyl benzene	0.05	0.053	
Ethyl ether	0.05	0.75	
Isobutanoi	5.0	5 .0	
Methanol	0.25	0.75	
Methylene chloride	0.2	0.96	
Methylene chloride(from Pharm, Industry)	0.44	0.96	
Methyl ethyl ketone	0. 05	0.75	
Methyl isoputyl ketone	0.05	0.33	
Nitrobenzene	0.65	0.125	
Pyridine	1.12	0.33	
Tetrachloroethiyene	0.079	0.05	
Toluene	1.12	0.33	
1, 1, 1 - Trichloroethane	1.05	0.41	X m
1, 1, 2 - Trichloroethane	0.03	7.6	
1, 1, 2 - Trichloro - 1, 2, 2 - trifluoro ethane	1.05	0.96	
Trichiorethylene	0.062	0.091	
Trichlorofluoromethane	0.05	0.96	
Kylene	0.05	0.15	
California List Prohibited Wastes	Lever (mg/l)	Treatment 5	Standard
Halogenated Organic Compounds	1000.0	incineration	
Arsenic (As) Nonwastewaters	500.0	None	
Mercury (Hg) Nonwastewaters	20.0	None	
Nickel (Ni)	134.0	None	
Thailium (Ti)	130.0	None	
Chlorinated Biphenyls (PCB's)	50.0	Incineration	
and a case with the state of			

Waste Desci	iptions and/or Treatment Subcategory	Treatment Standards R	
		and Technology Codes	for 40 CFR 268.42(a) That Apply
Waste Code	Description	Wastewaters	Nonwastewaters
D001:	Wastewaters (<1.0 wt% TOC and TSS) .	268.42(a) DEACT	NA
	Law TOC Ignitable Liquids (<10 wt% TOC)	NA	268.42(a) DEACT
	High TOC Ignitable Liquids (>10 wt% TOC)	NA	268.42(a) RORGS, FSUBS, or INCIN X
D002	Corrosives, all subcategories & CA list	268.42(a) DEACT	268.42(a) DEACT
D004	Arsenic (As)	268.43(a)	268.41(a) Variance until 5-8-92
D005	Barium (Ba)	268.43(a) X	268.41(a)
D006	Cadmium (Cd)	268.43(a)	268.41(a)
D007	Chromium (Cr)	268.43(a)	268.41(a)
0008	Lead (Pb)	268.43(a)	268.4 I(a)
D009:	Low Mercury Subcategory (<260 ppm Hg)	268.43(a)	268.41(a) Variance until 5-8-92
	High Mercury Subcategory (>=260 ppm Hg)	268.43(a)	268.42(a) RMERC Variance until 5-8-92
D0 10	Selenium (Sel	268.43di	268.41/d),
DQ11	Silver (Ag)	268.43(a)	268.41(a)
Other Codes	See attachment for supplemental list		
	en caral		

Generator Name: CERRO C	PPER PRODUC	73 6. EPA ID:	ILD080018914
Generator Representative Signatur	. Ja A In	mohr	
Name & Title of Representative:	N B	Call Call	10-1 15-100
Safety-Kleen Sample Number:	089922	Control Number:	0060298

Waste Code D001: 00010 Waste Descriptions Codes EPA Waste Codes: Under manifest number \$\mathbb{PO}/2\$
Generator noted below is shipping 168. In accordance with 40 CFR restricted and the EPA waste code Name Generator Generator High Mercury Subcategory (2 Selenium (Se) Chromium (Cr) Barium (Ba) Cadmium (Ci Wastewaters (<1.0 wt% TOC Low TOC Ignitable Liquids (<1 High TOC Ignitable Liquids (>1 orrosives. dmium (Cd) Methylene chloride Methylene chloride(from 8 Methyl ethyl ketone Methyl isobutyl ketone Chlorobenzene
Cresols (and crestyic
Cyclohexanona ARKSUIUE MO Ethyl benzene Ethyl ether Benzene n-Butyl . Carbon o Acetone Chiorinated Nickel (Ni) Mercury Arsenic (As) Harogenated Nitropenzene F001-F005 Spent Solvents Methanoi attachment for supplemental list richiorathylane etrachioroethiyene Name: Vildine. arbon disulfide arbon tetrachionide ichiorofiluoromethane -Dichlorobenzene 1 = Trichloroethane 2 = Trichloroethane 2 = Trichloro = 1,2,2 = trifluoroethane (As) o acetate all subcategories (Hg) Nonwastewaters Hazardous Constituent Treatment Subcategory d Organic Biphenyis (PCB's) DOGS FOOT , 10001 , 10005 10 ري ري rganic Compounds 0 MENGY. acid) (<260 ppm } (>=260 ppm Pharm. 63334 00 to you a waste deter 268.7, the generator with TOC line number 3 - Hg) appropriate Ф A Treatment Standards Refard Technology Codes / Wastewaters N 268.42(a) DEACT N NA 2 BURROUCH 268.43(a) 268.43(a) 268.43(a) 268.43(a) 268.43(a) 268.43(a) 268.43(a) 268.43(a) 268.43(a) õ Š 1000 500 20 131 130 50 TREATMENT
Wastewater
w/Solvents
0.05
0.07
5.0
1.05 hereby provides notice treatment standards are a DEACT 000000 LU A du STANDARDS (mg/l)
All Other Reference in 40 CFR s for 40 CFR 268.42(a) からからから ō Nonwastewaters Incineration None None e 2000 None Incineration ILD080018914 under 40 that the as follows: DEACT BORGS. DEACT_ RMERC Standard ひりとに 4 Check All That Apply S ******** £ FSUBS. Variance Variance Check That A Variance

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EPA ID NO: MOD.

Jan Carlow Warrang Carlo

EPA Waste Codes: DOOB FOOT DOOS 29			
F00 1-F005 Spent Solvents	THEATIMENT	STANDARDS (mg/I)	
Regulated Hazardous Constituent	Wastewater w/Solvents	Solvent Wastes	That Apply
Acetone	0.05	0.59	
Denzene	0.07	J. 7	
n-Butyl alcohol	O 10	O. RJ	
Carbon disulfide	1.05	4.81	
Carbon terrachloride	0.05	96.0	
Chlorobenzene	0.15	0.03	
Cresols (and cresivic acid)	2.82	0.75	
Cyclohexanone	0.125	-	
1,2-Dichloropenzene	0.63	0.125	
Ethyl acetate	90.0	0.75	
Ethyl Denzene	50.0	0.053	
Ethyl ether	50.0	0.75	
Sobutano	C Un	្ត	
Merchan) C	, r	
Methylene chioride	, C	900	
	77.0	0	
vi ketone	, ic	0.75	
Methy Isobuty ketone	50.0 S0.0) C	
Nitrodenzene		0.125	-
Pyridine	1.12		
Tetrachloroethlyene	0.079	0.05	
Toluene	1, 12	. O	
1, 1, 1 - Trichlorgethane	1.05	0	اح
1, 1, 2 - Trichloroethane	0 03		1
1, 1, 2 - Trichiora - 1, 2, 2 - trifluorgethane	1.05	96.0	
Trichlorethylene	0	0.091	
Inchlorafluoromethane	0.05	96.0	
Xviene	\mathbf{o}	0.10	
California List Prohibited Wastes	Level (mq/I)	Treatment Standar	tandard
Halogenated Organic Compounds	1000.3	Incineration	
	500.0	None	
₽	20.0	None	
	134.0	None	
Thailium (TI)	130.0	None	
	(C U		

1 - 11 NO 1000

Check All	U'	**		as, or INCIN		Variance until 5-8-92					Variance until 5-8-92	Variance until 5-8-92						
Treatment Standards Reference in 40 CFR Check All	Nonwastewaters	AN	268.42(a) DEACT X	268 42(a) RORGS FSUBS, or INCIN	268.42(a) DEACT	268.41(2)	268.41(2)	268.4 1(2)	268.41(2)	268.41(2)	1	RMERC		268.41(2)			EPA ID: ILD080018914	
Treatment Standards Re	Wastewaters	268.42(a) DEACT	4Z	4Z	268.42(4) DEACT	268.43(2)	268,43(2)	268.43(2)	268.43(2)	268.43(a)	268.43(2)	268.43(2)	268.43(2)	268.43(4)		10 (1) # 11 (1)	DIECEC CO EPA	
Waste Descriptions and/or Treatment Subcategory	Waste Code Description	Wastewaters (<1.0 wt% TOC and TSS)	Low TOC Ignitable Liquids (<10 wr% TOC)	High TOC Ignitable Liquids (>10 wt% TOC)	Corrosives, all subcategories & CA list	Arsenic (As)	Barrum (Ba)	Cadmium (Cd)	Chromium (Cr)	Lead (Pb)	Low Mercury Subcategory (<260 ppm Hg)	High Mercury Subcategory (>= 260 ppm Hg)	Salenium (Se)	Silver (Ag)	See attachment/for supplepmental list		Generator Name: CLUU CARONICA (
Waste Descri	Waste Code	000 1:			0005	4000	2000	9000	2000	0008	:6000		00 10	1100	Other Codes		5	

たくとってい Name & Title of Representative:

Generator Representative Signature:

116660 Safety-Kleen Sample Number:

Control Number:

E.VCA.

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AM NOTICE OF LAND DISTRESSION OF MODIFIED STATES OF LAND DISTRESSION OF NORTH PARKSVINE NO 6333L

Under manifest number OOIT line number 1/A. (enter 11a, 11b, 11c, OR 11d) the Generator noted below is shipping to you a waste determined to be restricted under 40 CRF Part 268. In accordance with 40 CFR 268.7, the generator hereby provides notice that the waste is restricted and the EPA waste code and the appropriate treatment standards are as follows:

EPA Waste Codes: DOOS FOO1 , DDOS PW

EOO 1 EOO E Same Salvante	TREATMENT	STANDARDS (mg/l)
F001-F005 Spent Solvents	Wastewater	All Other	Check All
Regulated Hazardous Constituent	w/Solvents	Solvent Wastes	That Apply
Acatone	0.05	0.59	
Benzene	0.07	3.7	
ibitions (VIDE)	5.Q	5.0	
Carbon disulfide	1.05	4.81	
Carbon tetrachionide	0.05	0.96	
Chloropenzene	0.15	0.05	
Cresols (and crestyic acid)	2.82	0.75	
Cyclohexanone	0.125	0.75	
1,2-Dichlorobenzene	0.68	0.125	
Ethyl acetate	0.05	0.75	
Ethyl benzene	0.05	0.053	
Ethyl ether	0.05	0.75	
Isobutanol	5.0	5 . C	
Methanol	0.25	0.75	
Methylene chloride	0.2	0.96	
Methylene chloride(from Pharm, Industry)	0.11	0.96	
Methyl ethyl ketone	0.05	0.75	
Methyl isoputyl ketone	0.05	0.33	
Nitrobenzene	0.65	0.125	
Pyridine	1.12	Q.33	
Tetrachioroethivene	0.079	0.05	
Toluene	1.12	0.33	
1.1.1 - Trichlorgethane	1.05	0.41	
1, 1, 2 - Trichloroethane	0.03	7.6	
1, 1, 2 - Trichlorg - 1, 2, 2 - trifluorgethane	1.05	0.96	
Trichlorethylene	0.062	0.091	
Trichlorafluoromethane	0.05	0.96	
	O 05	0.15	
California List Prohibited Wastes	Level (mg/l)	Treatment	Standard
Halogenated Organic Compounds	1000.0	incineration	
Arsenic (As) Nonwastewaters	500.0	None	
Mercury (Hg) Nonwastewaters	20.0	None	
Nickel (Ni)	134.0	None	
Thatlium (TI)	130.0	None	
Chlorinated Bipmenyls (PCB's)	50.0	Incineration	

Waste Desci	options and/or Treatment Subcategory	Treatment Standards R		Check All
Waste Code	Rescription	Wastewaters	for 40 CFR 268 42(a Nonwastewaters) Inat Apply
D001:	Wastewaters (<1.0 wt% TOC and TSS)	268.42(a) DEACT	NA	
D00 1.	Law TOC legitable Legited (sto sure TOC)	NA	268.42(a) DEACT	
	Low TOC Ignitable Liquids (<10 wt% TOC)	NA	268.42(a) RORGS, FS	iBS or INCIN 🔀
	High TOC Ignitable Liquids (>10 wt% TOC)	268.42(a) DEACT	268.42(a) DEACT	
0002	Corrosives, all subcategories & CA list		268.41(a)	Variance until 5-8-92
0004	Arsenic (As)	268.43(a)	. [[]]	• • • • • • • • • • • • • • • • • • • •
D005	Barium (Ba)		-268.41(a) <u>X</u>	· ptc
D006	Cadmium (Cd)	268.43(a)	268.41(a)	
0007	Chromium (Cr)	268.43(2)	268.41(a)	
0008	Lead (Pb)	268.43(a)	-268.41(a) ×	, pac
	Low Mercury Subcategory (<260 ppm Hg)		268.4 (a)	Variance until 5-8-92
D009:	Low Mercury Subcategory (1200 ppm 14)	268 43(a)	268.42(a) RMERC	Variance until 5-8-92
	High Mercury Subcategory (>=260 ppm Hg)	268.43(a)	268.41(a)	
0010	Selenium (Se)		268.41(a)	•
DQ11	Silver (Ag)	268.43(a)	200.4 ((3)	•
Other Codes	See attachment for supplemental list			-
Gen	erator Name: CERRO CODPER PRO	IDVCTA CO. EPA	10: ILD080018914	

Generator Name: CERRO COPPER PRODUCTA CO. EPA ID: ILDOSO018914

Generator Representative Signature: LEE D. BURROUCH B. ENUIRON. ENGR.

Safety-Kleen Sample Number: 089922 Control Number: 0060298

NOTICE OF LAN	D DISPOSAL RESTRICTION OF WASTE
ΔM	EPA ID NO: MOD 029729688
HISHMAY 79 NORTH	
CLARKSVILLE, NO 633	<u>3</u> 4

Under manifest number 00003 line number 1/A. (enter 11a, 11b, 11c, OR 11d) the Generator noted below is shipping to you a waste-determined to be restricted under 40 CRF Part 268. In accordance with 40 CFR 268.7, the generator hereby provides notice that the waste is restricted and the EPA waste code and the appropriate treatment standards are as follows:

EPA Waste Codes: Doos FOO1 DOO5 DOO/4/

Nastewater Wastewater Wastewater Wastewater Solvent Wastes That Ar Acetone O.05 O.55 O.59	F001-F005 Spent Solvents	TREATMENT	STANDARDS (mg/l))
Regulated Hazardous Constituent Wisquents Solvent Wastes That Acetone 0.05 0.59	1 OO 1 - OOS SPER SOMERS		Ali Other	Check All
Acetane	Regulated Hazardous Constituent			That Apply
Benzene		0.05		
N=Suty alcohol S	- -	0.07		
Carbon disulfide 1.05 4.81 Carbon tetrachloride 0.05 0.96 Chlorobenzene 0.15 0.05 Cresols (and crestylic acid) 2.82 0.75 Cyclohexanone 0.125 0.75 1,2-Dichlorobenzene 0.68 0.125 Ethyl acetate 0.05 0.75 Ethyl benzene 0.05 0.75 Ethyl ether 0.05 0.75 Isobutanol 5.0 5.0 Methyl ether 0.25 0.75 Methylene chloride 0.2 0.96 Methylene chloride(from Pharm, industry) 0.44 0.96 Methyl ethyl ketone 0.05 0.75 Methyl isobutyl ketone 0.05 0.33 Nitrobenzene 0.65 0.125 Pyridine 1.12 0.33 Tetrachloroethlyene 1.02 0.33 Toluene 1.12 0.33 1,1,1-Trichloroethane 1.05 0.41 1,1,2-Trichloroe-1,2,2-trifluoroethane 1.05		5.0		
Carbon tetrachloride 0.05 0.96 Chlorobenzene 0.15 0.05 Cresols (and crestyic acid) 2.82 0.75 Cyclohexanone 0.125 0.75 1,2-Dichlorobenzene 0.68 0.125 Ethyl acetate 0.05 0.75 Ethyl benzene 0.05 0.75 Ethyl ether 0.05 0.75 Isobutanol 0.05 0.75 Methyl ether 0.25 0.75 Isobutanol 0.25 0.75 Methylene chloride 0.2 0.96 Methylene chloride 0.2 0.96 Methyl ethyl ketone 0.05 0.75 Methyl isobutyl ketone 0.05 0.33 Nitrobenzene 0.05 0.33 Pyridine 1.12 0.33 Tetrachloroethlyene 1.12 0.33 Toluene 1.12 0.33 1.1,1=Trichloroethane 1.05 0.41 1.1,2=Trichloroethane 1.05 0.96		1.05		
Chlorobenzene 0.15 0.05 Cresols (and crestylic acid) 2.82 0.75 Cyclohexanone 0.125 0.75 1,2-Dichlorobenzene 0.68 0.125 Ethyl acetate 0.05 0.75 Ethyl benzene 0.05 0.75 Ethyl ether 0.05 0.75 Ispbutanol 0.05 0.75 Methyl ether 0.05 0.75 Methylene chloride 0.2 0.96 Methyl ethyl ketone 0.05 0.75 Methyl isobutyl ketone 0.05 0.33 Nitrobenzene 0.05 0.33 Pyridine 1.12 0.33 Tetrachloroethlyene 0.079 0.05 Toluene 1.12 0.33 1.1, 1-Trichloroethane 1.05 0.41 1.1, 2-Trichloroe-1, 2, 2-trifluoroethane 1.05 0.96 1.1, 2-Trichloroe-1, 2, 2-trifluoroethane 0.05 0.96 Trichlorofluoromethane 0.05 0.05 Trichlorofluoromethane <t< td=""><td></td><td>0.05</td><td>•</td><td></td></t<>		0.05	•	
Cresols (and crestyic acid) 2.82 0.75 Cyclohexanone 0.125 0.75 1,2-Dichlorobenzene 0.68 0.125 Ethyl acetate 0.05 0.75 Ethyl benzene 0.05 0.75 Ethyl ether 0.05 0.75 Isobutanol 0.05 0.75 Methylene chloride 0.2 0.96 Methylene chloride (from Pharm, industry) 0.44 0.96 Methyl ethyl ketone 0.05 0.75 Methyl isobutyl ketone 0.05 0.33 Nitrobenzene 0.65 0.125 Pyridine 1.12 0.33 Tetrachloroethlyene 0.079 0.05 Toluene 1.12 0.33 1.1,1=Trichloroethane 1.05 0.41 1.1,2=Trichloroethane 1.05 0.41 1.1,2=Trichloroethane 1.05 0.96 1.1,2=Trichloroethane 0.062 0.091 Trichlorofluoromethane 0.05 0.05 Trichlorofluoromethane		Q. 15	·	
Cyclohexanone 0.125 0.75 1,2-Dichlorobenzene 0.68 0.125 Ethyl acetate 0.05 0.75 Ethyl benzene 0.05 0.75 Ethyl ether 0.05 0.75 Isobutanol 0.05 0.75 Methyl ether 0.2 0.96 Methylene chloride 0.2 0.96 Methyl ethyl ketone 0.05 0.75 Methyl isobutyl ketone 0.05 0.33 Nitrobenzene 0.65 0.125 Pyridine 1.12 0.33 Tetrachloroethlyene 1.07 0.05 Toluene 1.12 0.33 1,1,1-Trichloroethane 1.05 0.41 1,1,2-Trichloroethane 1.05 0.41 1,1,2-Trichloroethane 1.05 0.96 Trichlorothylene 0.062 0.091 Trichlorothylene 0.05 0.05 Trichlorothylene 0.05 0.05 Trichlorothylene 0.05 0.05		2.82	_	
1,2-Dichlorobenzene		0.125	-	
Ethyl acetate	- · · · · · · · · · · · · · · · · · · ·	0.68	-	
Ethyl benzene 0.05 0.053 Ethyl ether 0.05 0.75 Isobutanol 5.0 5.0 Methylene 0.25 0.75 Methylene chloride 0.2 0.96 Methyl ethyl ketone 0.05 0.75 Methyl isobutyl ketone 0.05 0.33 Nitrobenzene 0.65 0.125 Pyridine 1.12 0.33 Tetrachloroethlyene 0.079 0.05 Toluene 1.12 0.33 1,1,1=Trichloroethane 1.05 0.41 1,1,2=Trichloroethane 1.05 0.41 1,1,2=Trichloroethane 1.05 0.96 1,1,2=Trichloroethane 1.05 0.96 1,1,2=Trichloroethane 1.05 0.96 1,1,2=Trichloroethane 1.05 0.96 1,1,2=Trichloroethane 0.03 7.6 1,1,2=Trichloroethane 0.05 0.991 1,1,2=Trichloroethane 0.05 0.091 1,1,2=Trichloroethane 0.05 0.09		0.05	-	
Ethyl ether	·	0.05	0.053	
Isobutano	· ·	0.05	0.75	
Methanol 0.25 0.75 Methylene chloride 0.2 0.96 Methylene chloride(from Pharm, Industry) 0.44 0.96 Methyl ethyl ketone 0.05 0.75 Methyl isobutyl ketone 0.05 0.33 Nitrobenzene 0.65 0.125 Pyridine 1.12 0.33 Tetrachloroethlyene 0.079 0.05 Toluene 1.12 0.33 1,1,1-Trichloroethane 1.05 0.41 1,1,2-Trichloroethane 1.05 0.41 1,1,2-Trichloroethane 1.05 0.96 1,1,2-Trichloroethane 1.05 0.96 1,1,2-Trichloroethane 0.03 7.6 1,1,2-Trichloroethane 0.03 7.6 1,1,2-Trichloroethane 0.03 0.96 1,1,2-Trichloroethane 0.062 0.091 1,1,2-Trichloroethane 0.05 0.091	·	5.0	5.0	
Methylene chloride 0.2 0.96 Methylene chloride(from Pharm, industry) 0.44 0.96 Methyl ethyl ketone 0.05 0.75 Methyl isobutyl ketone 0.05 0.33 Nitrobenzene 0.65 0.125 Pyridine 1.12 0.33 Tetrachloroethlyene 0.079 0.05 Toluene 1.12 0.33 1,1,1-Trichloroethane 1.05 0.41 1,1,2-Trichloroethane 0.03 7.6 1,1,2-Trichloro-1,2,2-trifluoroethane 1.05 0.96 Trichlorethylene 0.062 0.091 Trichlorofluoromethane 0.05 0.96 Xylene 0.05 0.15		0.25	0.75	
Methylene chloride(from Pharm, Industry) 0.44 0.96 Methyl ethyl ketone 0.05 0.75 Methyl isobutyl ketone 0.05 0.33 Nitrobenzene 0.65 0.125 Pyridine 1.12 0.33 Tetrachloroethlyene 0.079 0.05 Toluene 1.12 0.33 1,1,1-Trichloroethane 1.05 0.41 1,1,2-Trichloroethane 0.03 7.6 1,1,2-Trichloro-1,2,2-trifluoroethane 1.05 0.96 1,1,2-Trichloro-1,2,2-trifluoroethane 1.05 0.96 Trichlorethylene 0.062 0.091 Trichlorothylene 0.05 0.96 Trichlorothylene 0.05 0.15		0.2	0.96	
Methyl ethyl ketone 0.05 0.75 Methyl isobutyl ketone 0.05 0.33 Nitrobenzene 0.65 0.125 Pyridine 1.12 0.33 Tetrachloroethlyene 0.079 0.05 Toluene 1.12 0.33 1,1,1-Trichloroethane 1.05 0.41 1,1,2-Trichloroethane 0.03 7.6 1,1,2-Trichloro-1,2,2-trifluoroethane 1.05 0.96 1,1,2-Trichloro-1,2,2-trifluoroethane 0.062 0.091 Trichlorethylene 0.05 0.96 Trichlorofluoromethane 0.05 0.15		0.44	0.96	
Methyl isobutyl ketone 0.05 0.33 Nitrobenzene 0.65 0.125 Pyridine 1.12 0.33 Tetrachloroethlyene 0.079 0.05 Toluene 1.12 0.33 1,1,1-Trichloroethane 1.05 0.41 1,1,2-Trichloroethane 0.03 7.6 1,1,2-Trichloroe 1,2,2-trifluoroethane 1.05 0.96 Trichlorethylene 0.062 0.091 Trichlorofluoromethane 0.05 0.96 Xylene 0.05 0.15		0.05	0.75	
Nitrobenzene 0.65 0.125 Pyridine 1.12 0.33 Tetrachloroethlyene 0.079 0.05 Toluene 1.12 0.33 1,1,1=Trichloroethane 1.05 0.41 1,1,2=Trichloroethane 0.03 7.6 1,1,2=Trichloroethane 1.05 0.96 1,1,2=Trichloroethane 0.062 0.091 Trichlorethylene 0.062 0.091 Trichlorothuoromethane 0.05 0.96 Xylene 0.05 0.15		0.05	0.33	
Pyridine 1.12 0.33 Tetrachloroethlyene 0.079 0.05 Toluene 1.12 0.33 1.1,1=Trichloroethane 1.05 0.41 1.1,2=Trichloroethane 0.03 7.6 1.1,2=Trichloroethane 0.03 7.6 1.1,2=Trichloroethane 0.03 0.96 1.1,2=Trichloroethane 0.062 0.091 Trichlorothylene 0.062 0.091 Trichlorothylene 0.05 0.96 Trichlorothylene 0.05 0.15			0.125	
Tetrachloroethlyene	-	1.12	0.33	
Toluene		0.079	0.05	
1,1,1=Trichloroethane 1,05 0,41 1,1,2=Trichloroethane 0,03 7,6 1,1,2=Trichloro=1,2,2=trifluoroethane 1,05 0,96 1,1,2=Trichloro=1,2,2=trifluoroethane 0,062 0,091 Trichlorothuoromethane 0,05 0,96 Xylene 0,05 0,15		•	0.33	<u> </u>
1,1,2=Trichloroethane 0.03 7.6 1,1,2=Trichloro=1,2,2=trifluoroethane 1.05 0.96 1,1,2=Trichloro=1,2,2=trifluoroethane 0.062 0.091 Trichlorotluoromethane 0.05 0.96 Xylene 0.05 0.15			0.41	
1,1,2=Trichloro=1,2,2=trifluoroethane 1.05 0.96 Trichlorethylene 0.062 0.091 Trichlorofluoromethane 0.05 0.96 Xylene 0.05 0.15			7.6	
Trichlorethylene 0.062 0.091 Trichlorofluoromethane 0.05 0.96 Xylene 0.05 0.15		- ·	0.96	
Trichlorofluoromethane 0.05 0.96 Xylene 0.05 0.15			0.091	
Xylene 0.05 0.15			0.96	
Control of the Contro			0.15	
California i st Prohibited Wastes Level imply	California Est Prohibited Wastes	Level (mg/l)	Treatment S	itandard
Halogenated Organic Compounds 1000.0 Incineration			Incineration	
Arsenic (As) Nonwastewaters 500.0 None			None	
Mercury (Hg) Nonwastewaters 20.0 None			None	
Nickel (Ni) 134.3 None			None	
Thallium (TI) 130.0 None			None	
Chlorinated Biphenyls (PCB's) 50.0 Incineration			Incineration	

Waste Code	Description	Wastewaters	for 40 CFR 268.42(a) That Apply Nonwastewaters
0001:	Wastewaters (<1.0 wt% TOC and TSS) Low TOC Ignitable Liquids (<10 wt% TOC)	268.42(a) DEACT	NA 268.42(a) DEACT
0002 0004	Corrosives, all subcategories & CA list Arsenic (As)	268.42(a) DEACT	268.42(a) DEACT
0005 0006 0007	Barium (Ba) Cadmium (Cd) Chromium (Cr)	268.43(a) 268.43(a)	268.41(a) 268.41(a)
D 008 D 009 :	Lead (Pb) Low Mercury Subcategory (<260 ppm Hg) High Mercury Subcategory (>=260 ppm Hg)	268.43(a)	268.4 (a) Variance until 5-8-93
D010 D011	Setenium (Se) Silver (Ag)	268.43(a)	268.41(a) 268.41(a)
	See attachment for supplemental list erator Name: CERRO CODPER PRO		· ·

Generator Representative Signature: John Domingham & Title of Representative: John D. BURROULHS, ENURON. ENGR.

Safety-Kleen Sample Number: 089922 Control Number: 0060298

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NOTICE
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EPA 10 NO. MODO19729688

ARKSUIUE 76 No 63332 HE

128 - 1 A 1 -

Under manifest number $1000 \, \text{Hz}$ line number $10.0 \, \text{Hz}$ (enter 114, 11b, 11c, 0R 11d) to Generator noted below is shipping to you a waste determined to be restricted under 40 CRF Par 268. In accordance with 40 CRR 268.7, the generator hereby provides notice that the waste is restricted and the EPA waste code and the appropriate treatment standards are as follows: lenter 11a, 11b, 11c, OR 11d) the be restricted under 40 CRF Part

0008 F001, 2005 AL 1000

Generator Name: CERRO CONFER FROM	Codes See attacnment	•	High Mercury Subcategory (>=260 ppm Hg)	Lead (Pb)	Chromium (Ca)		Arsenic (As)	Corrosives, all subcategories & CA list	Liquids (<10 wt% TOC)	Wastewaters (<1.0 wt% TOC and TSS)	Code Description	Waste Descriptions and/or Treatment Subcategory		Colorinated Biohenvis (PCB's)	Cicket (No.	Mercury (Hg) Nonwastewaters		rganic Com	California List Promibited Wastes	Aglene	in chloroituoromethane	richlorethylene	1. 2. Trichloro-1.2.2 - trifluoroethane		Column	Tetrachloroethlyene	Pyridine	Nitrobenzene Nitrobenzene	Methylene chloride(from Pharm. Industry)	Methylene chloride	Methano:	Ethyl ether		Ethyl acetate	1 2 - Dichlorobaczana	Crosos and crossive actor	enzene	Carbon tetrachionide	_	n-Buryi alcohol	Acetone	Requiated Hazardous Constituent	TOO - TOOU DOIN SOIVERNS	S
NOIS CO.		268.43(a) 268.43(a)	4 4	68.43(a)	.68.43(a)	00.44(e)	68.43(a)	68.42(a) DEACT	2 Z	268.42(a) DEACT	Vastewaters	and Technology Cod		5 0.0	130.0	20.0	500 .0		Level (mg/l)	O : : : :	0.05	0.062	1. OS	0 - 0 0	 On A2	0.079	1.12) (A			л С Э С	0.05			0.125	2 C. 10 82 U	0.05	1.05	JS . O	0.07	w/Solvents	JOSEMOISE W	TREATMENT
EPA (D: ILDO80018914		268.41(a) 268.41(a)	268.42(a) RMERC	4 4	268.41(3)	268.41(3)	268.41(a)	268.42(a) DEACT	268.42(a) HORGS, FS		Nonwastewat	Codes for 40 CFR 268,42(a)		Incineration	None	2000	None	5	Treatment Standard	0.10	0.96	0.091		7.66					 0.96			ν C	•	. 7		0.75	0.00			5.0	3.7	Solvent Wastes That	All Other Chec	
	1	11	Variance until 5-8-92		A	₹ %	Yarrance until 5-8-92		FSUBS. or INCIN X		,	Check All	•	.		1		/ 1	ia					1	1						! !	1	1			1	!	1	1		1	Apply	* All	

Safety-Kleen Sample Number: Name & Title of Representative:

089922

Control Number:

0060298

BURROUL

U

EdviRen.

FNGR

Generator

Representative Signature:

_ EPA 10 NO: MODO19719688

GRKSVIUE NO 76

Under manifest number $\frac{\partial D}{\partial D}$ line number $\frac{\partial D}{\partial D}$ Generator noted below is shipping to you a waste determined 268. In accordance with 40 CFR 268.7, the generator heret restricted and the EPA waste code and the appropriate treatment of the state of the same of the state of the same
0008 1001, Davi, Davis

9922	ide of Representative: 102 D.	Generator Representative Signature:	Generator Name: CERRO CODPER FROD	Codes See attachment for supplemental list	(Aa) LTT (Se)	High Mercury Subcategory (>#260 ppm Hg)	Lead (Pb)			Arsenic (As)	Corrosives, all subcategories & CA list	Low TOC Ignitable Liquids (<10 wt% TOC) High TOC Ignitable Liquids (>10 wt% TOC)	Waste Code Description (<1.0 with TOC and TSS) 20	Waste Descriptions and/or Treatment Subcategory		Chicrinated Biphenyls (PCB's)	Thailium (Ti)	Ninkal (Ni)	(SA)		st Pronib	Xviene	Trichlorofluoromethane	•	1) 2 - Trichtoroethand		Toluene	Tetrachioroethiyane	NICODENZENE	Methyl sobutyl ketone			Marty and Chiorida	(sobutano)	Ethyl ether	Ethyl benzene	Ethyl acetate	していてはないのである。	Cresois (and cresiyic acid)	BUSSUS	Carbon tetrachionide	_			Regulated Hazardous Constituent	F001-F005 Spent Solvents	: 1 i i i i i i i i i i i i i i i i i i
Control Number:	BURROUCHS	anna	NCTS CO.		68.43(a) 68.43(a)	268.43(a)	00.43(a)	58.43(a)	68.43(2)	68,43(a) 68,43(a)	68.42(a) DEAC	> > (Wastewaters 268.42(a) DEACT	and Technology					30 0 0		1	ن ن	() () ()	0.062	- C O U)) U	1. 12	0.079	- (1 0 1)	0 . 0 . 0 . 0 . 0 .	0.05	0.14	0.2	ວ ເກ ວ ເກ	0.05	0.05	0.05	0.00	0.125	0. 1	0.05	. OS	ил (О (0 0 0 0	w/Solvents	Waster	
00	/ENVIRON. E	Th	EPA ID: ILDO80018914		268.41(2)	268.42(a) RMERC	268.41(2)	268.41(a)	268.41(a)	268.41(2)	268.42(a) DEA(268.42(a) DEACT 268.42(a) RORGS.	Nonwastewat	Codes for 40 CFR 25	i <u>-</u>	Incineration	None	None		ncineration	Treatment St	C	0.96		0.96	7 C		ò	ພໍ.	٥ . د د د د د د د د د د د د د د د د د د د	0.7 s		0.96		0.75				0.75		-	4.80	ເກ (()	3.7 3.7	Solvent V	All Other	
60298	NGR.		114	*************************************			Variance until 5-8-92	420	S	Agrance main 9-8-97		GS. FSUBS. or INCIN X		268.42(a) That Apply							Standard																				1		-		That Aggiv	Check All	



618/337-6000

October 20, 1992

Mr. Charles Harbaugh Clayton Chemical Co. #1 Mobile Avenue Sauget, Illinois 62206

Dear Charlie:

A RCRA Inspection by Illinois E.P.A. on this date pointed out a discrepancy which we need your help to correct. For a period of time after the Land Ban sheets were required to be sent with the manifest we failed to copy those sheets for our files. Would you please, at your convenience, photocopy the Land Ban sheets accompanying the following manifested shipments to your facility. We are very appreciative of the services you have provided in the past and will be grateful for your assistance in this matter.

Shipment Date	Manifest Number	Illinois Manif est Number
February 27, 1991 March 6, 1991	✓ 001 ✓ 002	IL408214& IL4082145
June 13, 1991 June 18, 1991	~ 003 ~ 004 ~ 00005	IL4082147 IL4082148
July 10, 1991 August 14, 1991 September 20, 1991	✓00005 ✓00001(?) ✓00006	IL4466951 IL4466954 IL4466961
October 15, 1991 October 22, 1991 December 20, 1991	∨ 007	IL4466967 IL4466971 IL4466975
October 15, 1992	-	IL3921022

Again, your assistance will be appreciated.

Very truly yours,

CERRO COPPER PRODUCTS CO.

Joe D. Burroughs

Environmental/Engineer

J. M. Grana cc.

This notification is submitted by <u>Cerro Copper Products Co.</u>
to Clayton Chemical in accordance with the Land Disposal Restrictions,
Final Rule (effective Nov. 8, 1986) under 40 CFR 268.7 (a)(1). According
to this final rule, generators of EPA Hazardous Waste Numbers FOO1 to
FOO5 must provide the following information with each shipment delivered
to CLAYTON CHEMICAL:

1.	EPA Hazardous Waste Number(s):	FU02

- 2. Manifest number associated with this shipment: 001 164082142
- 3. Waste analysis data (attach if different from Clayton's qualification analysis).

CORRESPONDING TREATMENT STANDARD

Instructions:

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	(mg/li	ter)
	All othe	r spent
Solvent Constituent	solvent	wastes
Acetone	C.5	
n-Butyl alconol	٤٠٤ ا	
Carbon disulfide	4.8	
Carbon tetrachloride	2.9	
Chlorobenzene		
Cresols and cresylic acid	C.7	
Cyclohexanone	C.7	5
1,2-Dichlorobenzene	O.1	
Ethyl acetate	0.7	-
Ethyl benzene	0.0	
Ethyl ether	0.7	-
Isobutanol	5.0	
Methanol	0.7	
Methylene chloride	0.9	6
Methylene chloride (from the		
pharamaceutical industry)	0.9	-
Methyl ethyl ketone	0.7	
Methyl isobutyl ketone	0.3	
Nitrobenzene	0.1	
Pyridine	0.3	
Tetrachloroethylene	0.0	-
Toluene	0.3	•
l,l,l-Trichloroethane	0.4	
1,1,2-Trichloroethane	0.9	-
Trichlorcethylene	0.0	. -
Trichlorofluromethane	0.9	
Xylene	0.1	5

^{4.} $\frac{\chi}{\text{of the waste is restricted from land disposal based on knowledge}}$

This notification is submitted by <u>Cerro Copper Products Co.</u>
to Clayton Chemical in accordance with the Land Disposal Restrictions,
Final Rule (effective Nov. 8, 1986) under 40 CFR 268.7 (a)(1). According
to this final rule, generators of EPA Hazardous Waste Numbers FOOl to
FOO5 must provide the following information with each shipment delivered
to CLAYTON CHEMICAL:

1.	EPA Hazardous Waste Number(s):	F002
2.	Manifest number associated with	this shipment: 12 4082145

3. Waste analysis data (attach if different from Clayton's qualification analysis).

CORRESPONDING TREATMENT STANDARD

Instructions:

		(mg/liter)
		All other spent
Solvent Constituent		solvent wastes
Acetone		0.59
n-Butyl alconol		5.0
Carbon disulfide		4.81
Carbon tetrachloride		0.96
Chlorobenzene		0.05
Cresols and cresylic acid		0.75
Cyclohexanone		0.75
1,2-Dichlorobenzene		0.125
Ethyl acetate		0.75
Ethyl benzene	.	0.053
Ethyl ether		0.75
Isobutanol		5.0
Methanol		0.75
Methylene chloride		0.96
Methylene chloride (from the		
pharamaceutical industry)		0.96
Methyl ethyl ketone		0.75
Methyl isobutyl ketone		0.33
Nitrobenzene		0.125
Pyridine		0.33
Tetrachloroethylene		0.05
Toluene		0.33
l,l,l-Trichloroethane	X	0.41
1,1,2-Trichloroethane		0.96
Trichlordethylene		0.091
Trichlorofluromethane		0.96
Xylene	<u> </u>	0.15

^{4.} X This waste is restricted from land disposal based on knowledge of the waste, (check if applicable).

This notification is submitted by <u>Cerro Copper Products Co.</u>
to Clayton Chemical in accordance with the Land Disposal Restrictions,
Final Rule (effective Nov. 8, 1986) under 40 CFR 268.7 (a)(1). According
to this final rule, generators of EPA Hazardous Waste Numbers FOO1 to
FOO5 must provide the following information with each shipment delivered
to CLAYTON CHEMICAL:

1.	EPA Hazardous Waste Number(s):	E-001 FOUZ
2	Manifest number associated with this	s shipment: 1/4082147

3. Waste analysis data (attach if different from Clayton's qualification analysis).

CORRESPONDING TREATMENT STANDARD

Instructions:

	(mg/liter)
·	All other spent
Solvent Constituent	solvent wastes
Acetone	0.59
n-Butyl alcohol	5.0
Carbon disulfide	4.81
Carbon tetrachloride	0.96
Chlorobenzene	0.05
Cresols and cresylic acid	0.75
Cyclohexanone	0.75
1,2-0ichlorobenzene	0.125
Ethyl acetate	0.75
Ethyl benzene	0.053
Ethyl ether	0.75
Isobutanol	5.0
Methanol	0.75
Methylene chloride	0.96
Methylene chloride (from the	
pharamaceutical industry)	0.96
Methyl ethyl ketone	0.75
Methyl isobutyl ketone	0.33
Nitrobenzene	0.125
Pyridine	0.33
Tetrachloroethylene	0.05
Toluene	0.33
l,l,l-Trichloroethane	0.41
1,1,2-Trichloroethane	0.96
Trichloroethylene	0.091
Trichlorofluromethane	0.96
Xylene	0.15

^{4.} $\underline{\chi}$ This waste is restricted from land disposal based on knowledge of the waste, (check if applicable).

This notification is submitted by <u>Cerro Copper Products Co.</u>
to Clayton Chemical in accordance with the Land Disposal Restrictions,
Final Rule (effective Nov. 8, 1986) under 40 CFR 268.7 (a)(1). According
to this final rule, generators of EPA Hazardous Waste Numbers FOO1 to
FOO5 must provide the following information with each shipment delivered
to CLAYTON CHEMICAL:

1. E	PA Hazardous	Waste Number(s):	F002
------	--------------	------------------	------

- 2. Manifest number associated with this shipment: 004 144092149
- Waste analysis data (attach if different from Clayton's qualification analysis).

CORRESPONDING TREATMENT STANDARD

Instructions:

	(mg/liter)
•	All other spent
Solvent Constituent	solvent wastes
Acetone	0.59
n-Butyl alconol	5.0
Caroon disulfide	4.81
Carbon tetrachloride	0.96
Chioropenzene	0.05
Cresois and cresylic acid	0.75
Cyclonexanone	0.75
l,2-Dichloropenzene	0.125
Ethyl acetate	0.75
Ethyl benzene	0.053
Ethyl ether	0.75
isobutanol	3.0
Methanol	0.75
Methylene chloride	0.96
Methylene chloride (from the	
<pre>pharamaceutical industry)</pre>	0.96
Methyl ethyl ketone	0.75
Methyl isobutyl ketone	0.33
Nitrobenzene	0.125
Pyriaine	0.33
Tetrachloroethylene	0.05
Toluene	0.33
1,1,1-Trichloroethane	0.41
1,1,2-Trichloroethane	0.96
Trichlordethylene	0.091
Trichlorofluromethane	0.96
Xylene	0.15

^{4.} $\frac{\chi}{\chi}$ This waste is restricted from land disposal based on knowledge of the waste, (check if applicable).

This notification is submitted by <u>Cerro Copper Products Co.</u>
to Clayton Chemical in accordance with the Land Disposal Restrictions,
Final Rule (effective Nov. 8, 1986) under 40 CFR 268.7 (a)(1). According
to this final rule, generators of EPA Hazardous Waste Numbers FOOl to
FOOS must provide the following information with each shipment delivered
to CLAYTON CHEMICAL:

ı.	EPA Hazardous Waste Number(s):	FOUL	
2.	Manifest number associated with	this shipment:	11005 (14466951

3. Waste analysis data (attach if different from Clayton's qualification analysis).

CORRESPONDING TREATMENT STANDARD

Instructions:

All other spent solvent wastes		(mg/liter)
Acetone 0.59 5.0 5.0 Carbon disulfide 4.31 Carbon detrachloride 0.96 0.35 Cresols and cresylic acid 0.75	·	All other spent
Description Solvent Constituent	solvent wastes	
Carbon disulfide 4.81 Carbon tetrachloride 0.96 Chlorobenzene 0.35 CresoIs and cresylic acid 0.75 Cyclohexanone 0.75 I,2-Dichlorobenzene 0.125 Ethyl acetate 0.75 Ethyl benzene 0.053 Ethyl ether 0.75 Isobutanol 5.0 Methanol 0.75 Methylene chloride 0.96 Methylene chloride (from the pharamaceutical industry) 0.96 Methyl ethyl ketone 0.75 Methyl isobutyl ketone 0.33 Nitrobenzene 0.125 Pyridine 0.33 Toluene 0.05 Toluene 0.03 1,1,1-Trichloroethane 0.41 1,1,2-Trichloroethane 0.96 Trichloroethylene 0.091 Trichlorofluromethane 0.096		1 1
Carbon tetrachloride 0.96 Chlorobenzene 0.35 Cresols and cresylic acid 0.75 Cyclohexanone 0.75 1,2-Dichlorobenzene 0.125 Ethyl acetate 0.75 Ethyl benzene 0.053 Ethyl ether 0.75 Isobutanol 5.0 Methanol 0.75 Methylene chloride 0.96 Methylene chloride (from the pharamaceutical industry) 0.96 Methyl ethyl ketone 0.75 Methyl isobutyl ketone 0.33 Nitrobenzene 0.125 Pyridine 0.33 Tetrachloroethylene 0.05 Toluene 0.33 1,1,1-Trichloroethane 0.41 1,1,2-Trichloroethane 0.96 Trichloroethylene 0.091 Trichlorofluromethane 0.096	n-Butyl alcohol	5.0
Chlorobenzene 0.35 Cresols and cresylic acid 0.75 Cyclohexanone 0.75 1,2-Dichlorobenzene 0.125 Ethyl acetate 0.75 Ethyl benzene 0.053 Ethyl ether 0.75 Isobutanol 5.0 Methanol 0.75 Methylene chloride 0.96 Methylene chloride (from the pharamaceutical industry) 0.96 Methyl ethyl ketone 0.75 Methyl isobutyl ketone 0.33 Nitrobenzene 0.125 Pyridine 0.33 Tetrachloroethylene 0.05 Toluene 0.33 1,1,1-Trichloroethane 0.41 1,1,2-Trichloroethane 0.96 Trichloroethylene 0.091 Trichlorofluromethane 0.096	Carbon disulfide	4.81
Cresols and cresylic acid 0.75 Cyclohexanone 0.75 1,2-Dichlorobenzene 0.125 Ethyl acetate 0.75 Ethyl benzene 0.053 Ethyl ether 0.75 Isobutanol 5.0 Methanol 0.75 Methylene chloride 0.96 Methylene chloride (from the pharamaceutical industry) 0.96 Methyl ethyl ketone 0.75 Methyl isobutyl ketone 0.33 Nitrobenzene 0.125 Pyridine 0.33 Tetrachloroethylene 0.33 1,1,1-Trichloroethane 0.41 1,1,2-Trichloroethane 0.96 Trichloroethylene 0.091 Trichlorofluromethane 0.096	Carbon tetrachloride	0.96
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Ethyl benzene 0.053 Ethyl ether 0.75 Isobutanol 5.0 Methanol 0.75 Methylene chloride 0.96 Methylene chloride (from the pharamaceutical industry) 0.96 Methyl ethyl ketone 0.75 Methyl isobutyl ketone 0.33 Nitrobenzene 0.125 Pyridine 0.33 Tetrachloroethylene 0.33 1,1,1-Trichloroethane 0.41 1,1,2-Trichloroethane 0.96 Trichloroethylene 0.091 Trichlorofluromethane 0.96		0.125
Ethyl ether 0.75 Isobutanol 5.0 Methanol 0.75 Methylene chloride 0.96 Methylene chloride (from the pharamaceutical industry) 0.96 Methyl ethyl ketone 0.75 Methyl isobutyl ketone 0.33 Nitrobenzene 0.125 Pyridine 0.33 Tetrachloroethylene 0.05 Toluene 0.33 1,1,1-Trichloroethane 0.41 1,1,2-Trichloroethane 0.96 Trichloroethylene 0.091 Trichlorofluromethane 0.96		
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pharamaceutical industry) 0.96 Methyl ethyl ketone 0.75 Methyl isobutyl ketone 0.33 Nitrobenzene 0.125 Pyridine 0.33 Tetrachloroethylene 0.05 Toluene 0.33 1,1,1-Trichloroethane 0.41 1,1,2-Trichloroethane 0.96 Trichloroethylene 0.091 Trichlorofluromethane 0.96		0.96
Methyl ethyl ketone 0.75 Methyl isobutyl ketone 0.33 Nitrobenzene 0.125 Pyridine 0.33 Tetrachloroethylene 0.05 Toluene 0.33 1,1,1-Trichloroethane 0.41 1,1,2-Trichloroethane 0.96 Trichloroethylene 0.091 Trichlorofluromethane 0.96		
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Nitrobenzene 0.125 Pyridine 0.33 Tetrachloroethylene 0.05 Toluene 0.33 1,1,1-Trichloroethane 0.41 1,1,2-Trichloroethane 0.96 Trichloroethylene 0.091 Trichlorofluromethane 0.96	Methyl ethyl ketone	4 4
Pyridine 0.33 Tetrachloroethylene 0.05 Toluene 0.33 1,1,1-Trichloroethane 0.41 1,1,2-Trichloroethane 0.96 Trichloroethylene 0.091 Trichlorofluromethane 0.96		0.33
Tetracnloroethylene 0.05 Toluene 0.33 1,1,1-Trichloroethane 0.41 1,1,2-Trichloroethane 0.96 Trichloroethylene 0.091 Trichlorofluromethane 0.96	Nitrobenzene	
Toluene0.331,1,1-Trichloroethane0.411,1,2-Trichloroethane0.96Trichloroethylene0.091Trichlorofluromethane0.96		1 1
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1,1,2-Trichloroethane0.96Trichloroethylene0.091Trichlorofluromethane0.96		0.33
Trichloroethylene 0.091 Trichlorofluromethane 0.96		1 1
Trichlorofluromethane 0.96		1 1
Xylene 0.15	Trichlorofluromethane	0.96
	Xylene	0.15

^{4.} X This waste is restricted from land disposal based on knowledge of the waste, (check if applicable).

This notification is submitted by <u>Cerro Copper Products Co.</u>
to Clayton Chemical in accordance with the Land Disposal Restrictions,
Final Rule (effective Nov. 8, 1986) under 40 CFR 268.7 (a)(1). According
to this final rule, generators of EPA Hazardous Waste Numbers FOOl to
FOO5 must provide the following information with each shipment delivered
to CLAYTON CHEMICAL:

1.	EPA Hazardous Waste Number(s):	FOUL	/
2.	Manifest number associated with	this shipment:	16 4466954-0000)

 Waste analysis data (attach if different from Clayton's qualification analysis).

CORRESPONDING TREATMENT STANDARD

Instructions:

	(mg/liter)
•	All other spent
Solvent Constituent	solvent wastes
Acetone	0.59
	[] I
n-Butyl alconol	5.0
Carbon disulfide	4.81
Carbon tetrachloride	0.96
Chiaropenzene	0.05
Cresois and cresylic acid	0.75
Cyclonexanone	0.75
1,2-Dichlorobenzene	0.125
Ethyl acetate	0.75
Ethyl benzene	0.053
Ethyl ether	0.75
Isobutanol	5.0
Methanol	0.75
Methylene chloride	0.96
Methylene chloride (from the	
pharamaceutical industry)	0.96
Methyl ethyl ketone	0.75
Methyl isobutyl ketone	0.33
Nitrobenzene	0.125
Pyriaine	0.33
Tetrachloroethylene	0.05
Toluene	0.33
l,l,l-Trichloroethane	0.41
1,1,2-Trichloroethane	0.96
Trichlordethylene	0.091
Trichlorofluromethane	0.96
Xylene	0.15

^{4.} X This waste is restricted from land disposal based on knowledge of the waste, (check if applicable).

This notification is submitted by <u>Cerro Copper Products Co.</u>
to Clayton Chemical in accordance with the Land Disposal Restrictions,
Final Rule (effective Nov. 8, 1986) under 40 CFR 268.7 (a)(1). According to this final rule, generators of EPA Hazardous Waste Numbers FOO1 to FOO5 must provide the following information with each shipment delivered to CLAYTON CHEMICAL:

1.	EPA Hazai	rdous W	aste Number	(s):		100	2		
2.	Manifest	number	associated	with	this	shipment:	11446	1,9L)	100006
_							.	/	, .

 Waste analysis data (attach if different from Clayton's qualification analysis).

CORRESPONDING TREATMENT STANDARD

Instructions:

中心 经成分的 医乳性性坏坏

	(mg/liter)
	All other spent
Solvent Constituent	solvent wastes
Acetone	0.59
n-Butyl alconol	5.0
Caroon disulfide	4.81
Carpon tetrachloride	0.96
Chloropenzene	0.05
Cresois and cresylic acid	0.75
Cyclonexanone	0.75
l,::-Dichloropenzene	0.125
Ethyl acetate	0.75
Ethyl oenzene	0.053
Ethyl ether	0.75
Isoputanol	5.0
Methanol	0.75
Methylene chloride	0.96
Methylene chloride (from the	
pharamaceutical industry)	0.96
Methyl ethyl ketone	0.75
Methyl isobutyl ketone	0.33
Nitropenzene	0.125
Pyridine	0.33
Tetrachloroethylene	0.05
Toluene	0.33
l,l,l-Trichloroethane	0.41
1,1,2-Trichloroethane	0.96
Trichloroethylene	0.091
Trichlorofluromethane	0.96.
Xylene	0.15

^{4.} $\frac{\chi}{\text{of the waste is restricted from land disposal based on knowledge}}$

s notifications is submitted by ton Chemical in accordance with the Land Disposal F Rule (effective Nov. 8, 1986) under 40 CFR 268.7 (a)(1) this final rule, generators of EPA Hazardous Waster Numbers FOOD to FQ05@must provide the following information with each shipment delivered to CLAYTON CHEMICAL:

		<i>r</i> .
1. EPA Hazardous Waste Number(s):	•	1002

Manifest number associated with this shipment: 14466967

Waste analysis data (attach if different from Clayton's qualification 🖟 analysis).

CORRESPONDING TREATMENT STANDARD

Instructions:

For each solvent waste constituent present in this waste or its extract, check the appropriate box in front of the treatment standard(s) which apply or see item #4 below.

		/==/1:b==\
•		(mg/liter)
Salvant Conntituent		All other spent
Salvent Constituent		solvent wastes
Acetone		0.59
n-Butyl alconol		5.0
Carbon disulfide		4.81
Carbon tetrachloride		0.96
Chloropenzene		0.05
Cresois and cresylic acid		0.75
Cyclonexanone		0.75
1,2-Dichloropenzene		0.125
Ethyl acetate		0.75
Ethyl penzene		0.053
Ethyl ether		0.75
Isobutanol		5.0
Methanol		0.75
Methylene coloride		0.96
Methylene chloride (from the		
pharamaceutical industry)		U . 96
Methyl ethyl ketone		0.75
Methyl isobutyl ketone		0.33
Nitropenzene		0.125
Pyridine		0.33
Tetrachloroethylene		0.05
Toluene		0.33
I,I,I-Trichloroethane	X	0.41
1,1,2-Trichloroethane		0.96
Trichloroethylene		0.091
Trichlorofluromethane		0.96
Xylene :		0.15

X This waste is restricted from land disposal based on knowledge

of the waste, (check if applicable).

GENERATOR NOTIFICATION TO CLAYTON CHEMICAL CO. REGARDING SHIPMENT OF WASTES RESTRICTED FRO LAND DISPOSAL THE RESTRICTED FRO LAND DISPOSAL THE RESTRICTED FRO LAND DISPOSAL THE RESTRICTED FRO LAND DISPOSAL

Chemical in accordance with the Land Disposal Restriction is spending with the Land Disposal Restriction in accordance with the Land Disposal Restriction in (effective Nov. 8, 1986) under 40 CFR 268.7 (a)(1). As is final rule, generators of EPA Hazardous Waste Numbers FOOL to in a provide the following information with each shipment delivered CLAYTON CHEMICAL:

1.	EPA Hazardous	Waste	Number(s):	F001

2. Manifest number associated with this shipment:

1760 FI

Mass analysis data (attach if different from Clayton's qualification analysis).

CORRESPONDING TREATMENT STANDARD

Instructions:

	(mg/liter)
	All other spent
Solvent Constituent	solvent wastes
Acetone	0.59
n-Butyl/alcohol	5.0
Carbon disulfide	4.81
Carbon tetrachloride	0.96
Chlorobenzene	0.05
Cresols and cresylic acid	0.75
Cyclohexanone	0.75
1,2-Dichlorobenzene	0.125
Ethyl acetate	0.75
Ethyl benzene	0.053
Ethyl ether	0.75
Isobutanol	5.0
Methanol	0.75
Methylene chloride	0.96
Methylene chloride (from the	
pharamaceutical industry)	0.96
Methyl ethyl ketone	., 0.75
Methyl isobutyl ketone	0.33
Nitrobenzene	0.125
Pyridine	0.33
Tetrachloroethylene	0.05
Toluene	0.33
I,l,I—Trichloroethane	0.41
1,1,2-Trichloroethane	0.96
Trichlorsethylene	0.091
Trichlorofluromethane	0.96
Xylene	0.15

^{4.} This waste is restricted from land disposal based on knowledge of the waste, (check if applicable).

This notification is submitted by <u>Cerro Copper Products to</u> to Clayton Chemical in accordance with the Land Disposal Restrictions. Final Rule (effective Nov. 8, 1986) under 40 CFR 268.7 (a)(1). **Recording to this final rule, generators of EPA Hazardous Waste Numbers FOOI to FOO5 must provide the following information with each shipment delivered to CLAYTON CHEMICAL:

1. EPA Hazardous Waste Number(s): FVOV

2. Manifest number associated with this shipment: 00009 (114461975

3. Waste analysis data (attach if different from Clayton's qualification analysis).

CORRESPONDING TREATMENT STANDARD

Instructions:

For each solvent waste constituent present in this waste or its extract, check the appropriate box in front of the treatment standard(s) which apply or see item #4 below.

	(mg/liter)	
·	All other spent	
Solvent Constituent	solvent wastes	
Acetone	0.59	
n-Butyl alcohol	5.0	
Carbon disulfide	4.81	
Carbon tetrachloride	0.96	
Chloropenzene	0.05	
Cresois and cresylic acid	0.75	
Cyclonexanone	0.75	
1,2-Dichioropenzene	0.125	
Ethyl acetate	0.75	
Ethyl benzene	0.053	
Ethyl ether	0.75	
isobutanol	5.0	
Methanol	0.75	
Methylene cnloride	0.96	
Methylene chloride (from the		
pharamaceutical industry)	0.96	
Methyl ethyl ketone	0.75	
Methyl isobutyl ketone	0.33	
Nitropenzene	0.125	
Pyridine	0.33	
Tetrachloroethylene	0.05	
Toluene	0.33	
l,l,l-Trichloroethane	0.41	
1,1,2-Trichloroethane	0.96	
Trichlordethylene	0.091	
Trichlorofluromethane	0.96	
Xylene	0.15	

4. X This waste is restricted from land disposal based on knowledge of the waste, (check if applicable).

1103018

12/20/11

Clayton Chemical Company Notification of Land Disposal Re

ive is restricted from land disposal under 40 CFR 268 or RCRA

This shipemnt includes F001-F005 spent solvents, as identified on the reverse of this form. Check this waste number(s) that applies and circle or otherwise identify individual constituents likely to be pecsent in the waste. Sec 40 CFR 268.41 and 268.42.

pment includes F039 multi source leachate, as identified on the attached sheets 18 the bowis checked. list of individual hazardous constituents expected to be present in the waste, along will applicable stan-Scc 40 CFR 268.43(a).

- This shipment includes RCRA Section 3004(d) California List wastes, as indentified on the attached sheet. If this box is checked, indicate individual constituents likely to be present.
- This shipment includes additional wastes identified below:

Hazardous Waste No. D001 D002 D002 D004 D006 D007 D008 D009 D010 D011	Subcategory High TOC Acid (pH < 2.0) Alkaline (pH > 12.5) Low mercury (<260 mg/kg)	Treatability Group 1 Nonwastewater	CFR Treatment Std. Reference 2 268.42 Table 2 268.42 Table 2 268.42 Table 2 268.41 (a) Treatment Standard 3 FSUBS.RORGS,IN DEACT DEACT 5.0 mg/L 1.0 mg/L 5.0 mg/L 5.0 mg/L 0.2 mg/l 1.0 mg/L 5.0 mg/L 200 mg/L	
D035		Nonwastewater	200.41 (a)	

- 1 Treatability group is either "wastewater" or "nonwastewater".
- 2 To find to CFR reference for the treatment standard, look up the waste in 268.41(a) Table CCWE;268.42(a)(1). (a)(2), (c), and Tables 2 and #; and 268.43(a) - Table CCW. The Reference must include both the section and paragraph where the treatment standard is found, e.g.268.42(a).
- 3 Wherever the CFR reference is 268.42, a five letter code (e.g. INCIN) must be included.

I certify under penalty of law that I am personally browledge of the waste, and the information I had	y familiar with the above waste through testing and analysis, or through ave supplied on this certification is true and complete to the best of my
knowledge. Signed: A Summy	Date: 10/15/12
Signal Joe D. Burroughs	Title:Environmental Engineer

Joe D. Burroughs

TREATMENT STANDARDS FOR F001-F005 SPENT SOLVENTS

Á	\$ \$4 m		otherwise identify individual cose	the state of the s	
	den	Constituents of Concerna	NONWASTEWA	The second secon	ial ins/L
d	is senated	Carbon letrachloride Methylene chloride Tetrachloroethylene 1,1,1-Trichloroethane Trichloroethylene 1,1,2-Trichloro-1,2,2- trifluoroethane Trichlorofluoromethane		0.96 0.96 0.091 0.96 0.96	0.208 1.0079 1.05 0.062 1.05 0.05
	F002 Spent halogenated	Chlorobenzene 1,2-Dichlorobenzene Methylene chloride Methylene chloride (from the pharmaceutical industry) Tetrachloroethylene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethylene 1,1,2-Trichloro-1,2,2- trifluoroethane Trichlorofluoromethane	30 Tu 60%	0.05 0.125 0.96 0.05 0.41 0.091 0.96 0.96	0.15 0.65 0.20 0.44 0.079 1.05 0.030 0.062 1.05 0.05
	F903 - Spent non- halogenated solvents	Acetone n-Butyl alcohol Cyclohexanone Ethyl acetate Ethyl benzene Ethyl ether Methanol Methyl isobutyl ketone Xylene		0.59 5.0 0.75 0.75 0.053 0.75 0.75 0.33	0.05 5.0 0.125 0.05 0.05 0.25 0.05 0.05
0	F004 - Spent non- halogenated solvents	Cresols (and cresylic acid) Nitrobenzene		0.75 0.125	2.82 0.66
٥	F005 - Spent non- halogenated solvents	Benzene Carbon disulfide 2-Ethoxyethanol	3.7 Incineration ¹	4.81	0.070 1.05 Biological degrada- tion or incineration ²
		Isobutanol Methyl ethyl ketone 2-Nitropropane	Incineration ¹	5.0 0.75	5.0 0.05 (Wet exidation or chemical exidation) followed by carbon absorption; or incineration 3
		Pyridine Toluene	·	0.33 0.33	1.12 1.12

¹ Five-letter code is "INCIN".

² Five-letter codes are "BIODG" or "INCIN".

³ Five letter codes are "(WETOX OR CHOXD)" To "CARBN" or "INCIN".



P.O. Box 66800 St. Louis, MO 63166-6800 **619/3**37-6000

October 20, 1992

Safety-Kleen Envirosystems
State Highway 146
New Castle, Kentucky 40050

Customer Service Representative:

A RCRA Inspection by Illinois E.P.A. on this date pointed out a discrepancy which we need your help to correct. For a period of time after the Land Ban sheets were required to be sent with the manifest we failed to copy those sheets for our files. Would you please, at your convenience, photocopy the Land Ban sheets accompanying the following manifested shipments to your facility. We are very appreciative of the services you have provided in the past and will be grateful for your assistance in this matter.

Shipment Date	Manifest Number	Illinois Manifest Number
March 19, 1991	~ 00001	IL4082146
May 28, 1991	~ 00007	IL4467000
June 27, 1991	-0 0008	IL4082149
July 1, 1991	1 00009	IL4082150
August 5, 1991	~ 00011	IL4466952
September 27, 1991	~ 00013	IL4466962
October 17, 1991	J 00014	IL4466968

Again, your assistance will be appreciated.

Very truly yours,

CERRO COPPER PRODUCTS CO.

Je D. Burroughs

Environmental Engineer

cc. J. M. Grana 🗸

The Albert State of the Administration of the Committee o

Participation of

	TO: SAFETY-KLEEN CORP EP	A 10 NC:	KYDOS	3748106		
	STATE HAY 149					
	HEN CASTLE KY 40000				•	•
	Under manifest member 15 1545 15 line men	- 1/A	lenter	11a 11b 11a	OR 1.14 to	
	Generator noted belove in glassics to you a we 200. In accordance with 40° CFW 200.7, the greatricted and the EPA waste code and the app	aserator pari	be Dravid	estricted: under the that the lerds are as folk	a waste is	•
	EPA Wasta Codes: D001					
	F001-F005 Spent Solvents			ANDARDS (mg/l)		
	Regulated Hezardous Constituent	Wint w/So	pyveter boonts S	All Other loivent : Wastes	Check All That Apply	
	Acetone	0.0	X	0.59		
	Benzene - Stad danked	0.0	•	3.7 5.0		
	n-Butyt alcohol Carton disulfide	5.0 1.0		4.81		
	Carbon tetrachloride	0.0		0.96	1	
	Chlorobenzene	·- O.		0.05		
	Greecis (and crestyle acid)	2.1		0.75		
	Cyclohexanone 1.2 - Dichlorobenzene	0.		0.7 5 0.125		
	Ethyl acetate	0.0		0.75		
	Ethyl benzene	0.6		0.053		
	Ethyl ether	0.0		0.75		
	Sobutanol Methanol	5.0 0.2		5.0 0.75		
	Methylene chloride	0.2		0.96		
	Methylene chloride(from Pharm, Industry		_	0.96		
	Methyl ethyl ketone	0.0		0.75		
	Methyl isobutyl ketone	0.0	-	0.33 0.12 5		
	Nitrobenzene Pyridine	1.1		0.33		
	Tetrachioroethiyene	0.0	-	0.05		
	Toluene	1.1	_	0.33		
	1.1.1-Trichloroethane	1.0	_	0.41 7.6	•	•
	1,1,2-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane	1.0		0.96		
	Trichlorethylene	0.0		0.091		
	Trichlorofluoromethene	0.0		0.96		
	Xylene	0.0	5	0.15		
	California List Prohibited Wastes	Level	mg/I)	Trestment S	tandard	
	Halogenated Organic Compounds	1000.0	-	Incineration	-	
	Arsenic (As) Norwastewaters	500.0 20.0		None None		
	Mercury 04g) Nonwastewsters Nickel (NI)	134.0	_	None		
	Thatlium (TI)	130.0		None		
	Chlorinated Biphenyis (PCB's)	50 .0	•	Incineration		
Name J	Descriptions and/or Treatment Subcatedory	Treatment S	terderde.	Reference in 40	CFR Check A	
عضمه	Code Description	Washington		Norwestervite	A THE PARTY OF THE	pry .
XXX 1:	Wastewaters (<1.0 with TOC and TSS)	268.420		NA .		
	Low TOC Ignitable Liquids (<10 wt% TOC)			268.42(a) DEA		
	High TOC Ignitable Liquids (>10 wt% TOC)	NA	W- A /~~	258.42(a) RUP 268.42(a) DEA	IGS. FSUBS. or I	ACIN
0002 0004	Corrosives, all subcategories & CA list Arsenio (As)	268.42(a) (i 268.43(a)	EAC!	268.41(a)		until 5-8-92
0008	Barium (Ba)	268.43(a)		_ 268.41(A)		
3006	Cadmium (Cd)	268.43(u)		268.41W		
2007	Chromium (Cr)	268.43(a)		_ 268.41(<u>a</u>)	-	
0008 000 9:	Lead (Pb)	268.43(a) 268.43(a)		_ 258.41(a) 258.41(a)		until 5-8-92
704 .	Low Mercury Subcategory (<260 ppm Hg) High Mercury Subcategory (>=260 ppm Hg		*******	268.42(4) RME		until 5-8-92
2010	Selenium (Se)	268.43(M		268.41(2)		
2011	Silver (Ag)	268.43(a)	-	268.41(a)	-	
Juner C	odes See attachment for supplemental list	/-				
	Generator Name: CERRO COPPER PS-DUC	(3 ps.		ID: ILDOSOO18	314	
	Generator Representative Signatures	·	77			•
	Name & Title of Representatives	D. Burg	SA RATE	Eddical	. ENGR	
	Sefety-Kleen Sample Number: 088246	Co	ntroi Numi	ber: <u> </u>	64138	

NOTICE OF LAND DISPOSAL RESTRICTION OF WASTE EA 10 NO. KYD. 053.348108 A. (enter 11s. 11b. 11c: OR 11de the T ine ruste ditien fenter 11s. 11s. 11s; OP 11sh the an haraby provide Une appropriate tresunante standarde are se follours: PA TOME LINE AND LINE WAS SPA Waste Codes: BOOS FOO! De ol, Doo5 TREATMENT STANDARDS (ros/I) FOO 1-FOOS Sourc Solvents Check All w/\$0 Thes Apply Regulated Hazardous Constituent 0.05 Acetone 0.07 3.7 Benzene 5.0 5.0 n-Butyl alcohol 4.81 1.05 Carbon disuffide 0.96 0.05 Carbon tetrachionde 0.05 0.15 Charabensene 0.75 Cresols land crestyle soid? 2.82 0.75 0.125 Cyclonexanene 0.125 0.68 1,2-Dichlorobenzene 0.75 0.05 Ethyl acetate 0.053 0.05 Ethyl benzene 0.05 0.75 Ethyl ether 5.0 5.0 Isobutanoi 0.75 0.25 Methanoi 0.96 0.2 Methylene chloride 0.96 0.44 Methylene chioride(from Pharm, Industry) 0.75 0.05 Methyl ethyl ketone 9.90 0.09 Methyl isobutyl ketone 0.45 0.125 Nitrobenzene 0.33 1.12 Pyridine 0.05 0.079 Tetrachioroethivene Q.33 1.13 Toluene 0.41 1.05 1, 1, 1 - Trichloroethane 7.6 0.03 1,1,2-Trichlorgethere 0.96 1.05 1, 1,2-Trichloro-1,2,2-trifluorgethere 0.091 0.062 Trichlorethylene 0.05 0.96 Trichlora fluoromethane 0.15 0.05 Xvlene California List Prohibited Wattes Halogenated Organic Compounds Level (mg/l) Trestment Standard Incineration 1000.0 None 500.0 Arsenia (As) Norwestewaters Mercury (Hg) Nonwastewaters None 20.0 None 134.0 Nictal (Ni) 130.0 None Tradition (TI) Inguneration 50.0 Chlorinated Signerry's (PCS's) Treatment Standards Reference in 40 CFR Check All and Technology Codes for 40 CFR 268,42(a) That Apply Waste Descriptions and/or Treatment Subcategory 00.44 258.430 DEACT Description MA Wastewaters (<1.0 with TOC and TSS) 0.0012 NA Law TOC Ignitible Liquids (<10 will TOC) High TOC Ignitable Liquids (>10 with TOC) NA 288.42(A) DEACT D002 D004 D005 288.42W DEACT Corrosives, all subcategories & CA list Variance until 5-8-90 288.41(a) 288.41(a) 268.43W Arsene (As) 268.43W Barrum (Ba) 268.41(4) 26**8.**43(a) 2006 Cadmium (Cd) 258.41(a) 258.41(a) 268.43(a) D007 Oromum (Cr) 2**68.**43(4) Lead (Pb) Variance until 5-8-9: Variance until 5-8-9: 268.41(4) Low Mercury Subcategory (<260 ppm Hg) 268.43(4) 0009: High Mercury Subcitegory (>=260 ppm Hg) 288.43(a) 268.42(4) RMERC 268.41W 268.43W 0010 Selennen (Se) 268.43W Silver (Ag) 0011

PRODUCTS

Jos

089922

des See attachment for supplemental list Generator Names LEREO COPPER

Generator Representative Signatures

Name & Title of Representatives

Safety-Kleen Sample Number: _

194. 144

Control Number: 0060597-5

Wiland Ka

EPA IC: ILDOSOO18814

* 26.

A STATE OF STATE

то:_	SAFETY-KLEEN CORP	(ID NO: KYE	0083348106	
• ;	STATE NAY 140			
	NEW CASTLE KY 400EG	•		
Germ 268. restri	manifest number <u>07508</u> line number in accordance with 40 CFR 288.7, the geoded and the EPA waste code and the approximate Codes: DOO1 DOOS DOOS	nerator hereby pro	ivides notice that th	40: CRP Pal e weste is
	F001-F005 Spent Solvents	TREATMENT Wastewater	STANDARDS (mg/l) All Other	Check All
	Regulated Hazardous Constituent	w/Solvents_ 0.09	Solvent Wastes	That Apply
	Acatone Benzene			
	Sentene n-Butyl sicohol	9.07 5.0	3 :8	-marines
	Carbon disulfide	1.05	4.81	*******
	Carbon tetrachloride	0.05	0.96	
	Chlorobenzene	0.15	0.08	
	Cresols (and crestylic sold)	2. \$2 0.12 \$	0.75 0.75	
	Cyclohexanone 1.2 Otehlarekanaana	Q.123 e.06	U. 78 9. 14C	
	Ethyl acetate	0.05	0.75	
	Ethyl benzene	0.05	0.053	
	Ethul ather	^ n=	0.78 5.0	400mm
	Isobutanoi Methanoi	5. <i>0</i> 0. 2 5	0.75	
	Methylene chloride	9.2	Ω. 86	water to the state of the state
	Methylene chloride(from Pharm. Industry)	0.44	0.96	
	Methyl ethyl ketone	Q. Q5	0.75	
	Methyl isobutyl ketone	Q. Q5	0.33	
	Nitrobenzene	O. 65	0.125	Name of the Owner
	N _e midles Tetrochlorosthlyens	0.079	0.05	
			0.33	
	Toluene 1, 1, 1 =) richtoroethane	1:05	0.41	***
	1.1.2-Trichloroethune 1.1.2-Trichloro-1.2.2-diffuoroethune	ດ. 03 1.⊌3	7 A	
	Tribility will plants	3.552	3.341	
	Territoria de la transceria de la composição de la compos	(1 (1 t	1 1 mm	***************************************
	Halogenated Organic Compounds	1000.0	Incineration	
	Accorde that Newsonalandalana	రాహ.ప 20.0	Muse Nurse	
	Marcon ; (193) Nurreastavestars	134 (1	none	
	Thelium (TI)	130.0	None	
	Chiorinated Biphenylc (PCB's)	50.0	Incineration	
0_L10cer	Officere and the investigation in the companies of the co	in distribute in the Co.	<u> </u>	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1
te Code	Description	Wastewaters	Nonwestewate	
1:	Wastewaters (<1.0 wt% TOC and TSS)	288.42W DEACT_	NA	
		NA NA	288.42(a) DEA	ICC, TCUDG, or INCIN X
2	High TOC Ignites Liquids (>10 wt% TOC) Corrosives, all subcategories & CA list	NA 268.42W DEACT	268.42W DEA	
4	Arsenic (As)	268.43(4)	268.41(4)	Variance until 5-6
Š	Berium (Ba)	268.43(4)	X 268.41(a)	
5 .	Cadmium (Cd)	268.43W	268.41(4)	
7	Chromium (Cr)	268.43W	268.41(a)	
8	Lead (Pb)	208.43(4)	X 258.41(a)	Mantan and American
9:	Low Mercury Subcategory (<260 ppm Hg)		268.41(a)	Variance until 5-8
0	High Mercury Subcategory (>=260 ppm lig) Selenium (Se)	268.43(a)	268.42(a) RM(268.41(a)	IRC Variance until 5 (
1	Silver (Aq)	268.43W	268.41(2)	
	See attachment for supplemental list	,		
		1		
	erator Name: CERRO COPPER erator Representative Signature:	2 American	EPA ID: <u>11.0080018</u>	314
	erator Representative Signature: XML A	D. BURRO	LINES ENVIR	ed ENGR.
24/	sty-Kleen Sample Number: 065923	Control N	umber:00	40298

	TO: SAFETY-KLEEN COMP SPA	ID NO:	KYC	V-33-6 106		1
	STATE HAY 140	1				/
•	HER CASTLE KY 40000	(14	-40	82150)		
	The same A in the	_ 7/a	lan	am 11s 11b 11c:	OR 11de the	•
	A second tentered to the second tentered to the second tentered to the second tentered to the second tentered tentered to the second tentered tente	a deligrication	e to b	e restricted under 4	io, Citis Part	•
	208. In accordance with 40° CFR 208.7, the gor restricted and the EPA waste code and the approx	normor norm printe trans	nort s	anderda are se felle	MARKS	
	EPA Waste Codes: 0001					
	F001-F005 Spent Solvents	TREA	IMENT	STANDARDS (mg/l)		
		Wast	THE STATE	All Other Solvent Wastes	Check All That Apply	
•	Requisted Hazardova Constituent Acetone	0.0		Q. 39		
	Benzene	0.0		3.7		
	n-Butyl alcohol	S .(-	5.0 4.81	****	
	Carbon disulfide	1.0	-	0.96		
	Carbon tetrachloride	0.	_	0.05		
	Chigrobenzene Cresols (and grestylo scid)	2.1		0.75		
	Cyclohexanone		125	0.75		
	1.2-Dichlorobenzene	ō.(58	0.125	-	
	Ethyl acetate	0.0		0.75		
	Ethyl benzene	0.0		0.053		
	Ethyl ether	0.0		0.7 5 5.0		
	Isobutanol	5 (0.:		0.75	********	
	Methanol Methylana chlorida	0.:		0.96		
	Médiviere cidoride(from Pharm, industry)	Ü.		0.96		
	Mathyl athyl ratona	6.4		0,70 3,33		
	Materi inchutyi Letrale	ი : 0.:		0.125		
	Nitrobenzena Pyridina	1.		0.33		
	Tetrachicroethiyene		279	0.05		
	Toluene	1.		O 33	***********	
	1,1,1 ~ Trichloroethere	1.0		0.41		•
	1, 1,2-Trichlorgethene	0.	-	7.6		
	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0		0.96 0.091		
	Trichlarethylene	Q.(0 6 2	0.96		
	Trichlorofluoromethane Xylene	0.		0.15		
	California Lies Stockhibsted Mineton	Level	(ma/l)	Trestment S	itandard	
	California List Prohibited Wastes Halogenated Organic Compounds	1000		incineration		
	Arsenic (As) Nonwestewaters	500.		None		
	Mercury (Ho) Nonwastewaters	20.	0	None		
	Nickel (NI)	134.		NORE		
	Thellium (TI)	130.	-	None Incineration		
	Chlorinsted Siphenyle (PCS's)	50.				
Waste	Descriptions and/or Treatment Subcategory	Trestment	Standa	odes for 40 CFR 2	CFR Check A	
100	Made Pleasinting	Wasterouse	70 Z.S	Nonvestiment	ti	• •
	Code Description Wastewsters (<1.0 wt% TOC and TSS)	261 42(1)	DEACT		, -	
500 1:	Low TOC lanitable Liquids (<10 wt% TOC)	NA		268.42W DE	MCT_X	
	High TOC Ignitable Liquids (>10 wt% TOC)	NA			NGS, FSUBS, or IN	CIN
0002	Corrosives, all subcatagories & CA list	268.42(a)	DEACT	268.42(a) DE	NCT	until 5-8-92
SOOV	Aranic (As)	268.43(a)		268.41(a) 268.41(a)	49.61C4	WIN 3-9-36
0005	Barium (Ba)	288.436b 288.436b		268.41(4)		
D006 D007	Cadmium (Cd) Chromium (Cr)	288.436		268.41(4)		
D008	Land (Pb)	268.436		258.41(4)		
0009:	Low Mercury Subcategory (<260 ppm Hot-	288.43(4)	-	20241(2)		well 5-8-92
	High Mercury Subcategory (>=260 ppm Hs	258.43(a)		258.42(a) MM	ERC Variance	until 5-8-92
0010	Selenium (Se)	258.43(a)		268.41(4)		
DQ11 Other	Silver (Ag) Codes See attachment for supplemental list	268.43(4)		268.41(2)		
~~~	Generator Name: CERRO COPPER	0 1		EPA ID: 1LB08001	8914	
	Generator Representative Signature:	X Am	~~~	Mr.		
	Name & Title of Representative:	D. BUR	RA	1415 ENVIR	ON. ENGR.	
	Sefety-Kleen Sample Number: 093346		~	/ /	064138	
	And and a comment of the control of					

.•	NOTICE OF LAND DISPOSAL	· · · · · ·		
	TO: SAFETY-KLEEN CORP. EPA ID N		2948100	
	STATE HAY 146	1 15111	952-11	Lidous No.
	40000		44 . 1	76 TIM VI
		I a lores	restricted under 4	O CRF Part
	Under manifest number (IRD) line number Generator noted below is shapping to you a waste de 268. In accordance with 40 CFR 268.7, the general restricted and the EPA waste code and the approprial	tor hereby provi	des notice that the ndards are as follow	WE
	EPA Waste Codes: DOD1		STANDARDS (me/l)	
	FOO 1-FOOS Spent Solvents	Wastewards	Solvent Wester	Check Ail That Apply
	Requisted Hazardous Constituent	0.08	3.7	
	Acetone	0.07 5.0	5.0	
	Benzene n-Butyl alcohol	1.05	4.81	
	Cwhon distillis	0.05	0.96	
	Carbon tetrachioride	0.15	0.05 0.75	
	Chicrobenzene	2.82	0.75	
	Cresols land crestyle actual	0,125	0.125	
	Cyclohexanone	0.65 0.05	0.75	-
	1,2-Dietlorobensene	0.05 0.05	0.053	
	Ethyl acetate Ethyl benzene	0.05	0.75	
	Ethyl ether	5.0	5.0	
	isobutanol	0.25	0.75 0.96	
	Methanol	0.2	0.96	
		0.44	0.75	-
	Methylene chloride(from Pharm, industry)	0.05	0.33	
	Methyl ethyl ketone Methyl isobutyl ketone	Q.Q5 Q.65	0.125	
	Megyi isoodiyi kaaanii	1.12	0.33	-
	Pyridine	0.078	0.05	
	Tetrachloroethlyene	1.12	0. <b>33</b> 0.41	
	Taksee	1.05	7.6	
	1, 1, 1 - Trichlorostians	0.03	0.96	
	1, 1,2-Trichloroethans 1, 1,2-Trichloro-1,2,2-trifluoroethans	0.062	0.091	-
	Taiakkerettylens	0.05	0.96	
	Trichlorofluoromethane Xylene	0.05	. 0.15	k Standard
	wastes	Level (ms/	Incinerati	on
	California List Prohibited Wastes Halogenated Organic Compounds	1000.0	None	<del></del>
		20.0	None	-
	Mercury (Hg) Nonwestswaters	134.0	None None	
	Nickel (Ni)	130.0	neinersi	tion
		<b>50</b> .0	••••	
	Chlorinated Bigneriyis 4 00	C1	derde Reference in	40 CFR Check All
	Weste Descriptions and/or Treatment Subcitatory	Add Technology	Name	
	Waste Code Description DOO! Wastewsters (<1.0 with TOC and TSS) Tocal To	268.42(a) DE		DEACT X
•	TOTAL TOTAL STATE OF THE STATE	NA NA	268.42m	MONGS. PSOOD. V.
	Low TOC Ignitable Liquids (>10 wt% TOC High TOC Ignitable Liquids (>10 wt% TOC	700-46/A	ACT 268.426	Variance U
	Corresives, at subject to	200.73W	268.416 268.416	
	none Arsenic (As)	268,43(2)	288.414	·
	Reviser (Sa)	268.43(=)	268,416	<u> </u>
	DOG6 Cadmium (Ca)	268.43(a) 268.43(a)	269.410	- Verience
	DO07 Chromium (Cr)	ນ 2 <b>ຄຂ.43(a)</b>	268.410	The second secon
	DOOS: Low Mercury Subcategory 5=260 ppm	1g) 262.43(a) 9 nm ±3(a) 268.43(a)	268.420 268.410 268.410	z)
	COLD SAINDING UM	740'-am		
	DO11 Silver (Ag) Other Codes See attachment for supplemental list	A	EPA ID: ILDO	40018914
	Generator Name: CERRO COPPER	B. K.	myhu	
	Signature Signature	A	Tive FA	IVIAN ENGR.
	Name & Title of Representative:	N BURRS	UGAS	

### NUTICE OF LAND DISPUSAL RESTRICTION OF WASTE

EPA 10 NO: KY0053348198

Gener 268. restri	MEN CASTLE KY 40060  manifest number 00013 line number stor noted below is shipping to you a waste in accordance with 40 CFR 268.7, the gar	a determined to	nter 11a, 11b, 11c,	Of 11d the
Gener 268. restri	rator noted below is shipping to you a waste in accordance with 40 CFR 268.7, the gar	a determined to	nter 11a, 11b, 11c,	ON 1100 the
268. restri	in accordance with 40 CFR 258.7, the gar			AC CBS Sert
restri		perator hereby pr	ovides notice that th	e waste is
	cted and the EPA waste code and the appro	priete treatment s	itandards are as folk	DWE:
₽.∪	Waste Codes: DOO1 DOOS DOOS			
				•
	F001-F005 Spent Solvents	Wastewater		Check All
	Requisted Hazardous Constituent	w/Solvents	Solvent Wastes	That Apply
	Acstone Benzene	0. <b>05</b> 0.07	3.7	
	n-Butyl alcohol	5.0	5.0	
	Carbon disulfide	1.05	4.81	
	Carbon tetrachloride	0.05	0.96	
	Chlorobenzene	0.15	0.05	
	Cresols (and crestylc sold)	2.82	0.78	- Contraction
	Cyclohexanone	0.125	0.75	
	1,2-Dichlorobenzene	0.58 0.05	0.125 0.75	-v-turker
	Ethyl acetate			
	ENA BUTTON	8:85	8:953	
	Isabutanol	<b>5.0</b>	<b>5</b> .0	
	Methanol	0.25	0.75	
	Methylene chloride	0.2	0.96 0.96	was approximately
	Methylene chloride(from Pharm. Industry)	0.44 0.05	0.75	**************************************
	Methyl ethyl ketone Methyl isobutyl ketone	0.05	0.33	
	Nitrobenzene	0.65	0.125	
	Pyridina	1.12	0.33	
	Tetrachioroethiyens	0.079	0.05	
	Toluene	1.12	0.33	
	1, 1, 1 = Trichloroethane	1.05	0.41	***
	1, 1,2-Trichloroethane	0.03	7.6	-
	1,1,2-Trichloro-1,2,2-trifluoroethane	1. <b>05</b> 0. <b>062</b>	0. <b>96</b> 0. <b>09</b> 1	****
	Trichlorethylene Trichlore fluoromethane	0.05	0.96	<del>Valenta</del>
	Xviene	0.05	0.15	
	,		T 6	
	California List Prohibited Wastes Halogenated Organic Compounds	Level (mg/l) 1000.0	Treatment S	LO ROSE
•	Arsenic (As) Nonwestewaters	500.0	None	
	Mercury (Hg) Nonwasteweters	20.0	None	
	Nitetral (NII)	134 0	None	4
	Thallium (TI)	130.0	None	1
	Chlorinated Biphenyls (PCB's)	50.0	Incineration	night distribute
ste Descri	ptions and/or Treatment Subcategory	Treatment Standa	de Reference in 40	CFR Check All
	Denociation	Wastersters	odes for 40 CFR	CAR OF INEC APPRO
31:	Wastewaters (<1.0 wt% TOC and TSS)	288.42W DEACT	NA	-
	Low TOC Ignitable Liquids (<10 wt% TOC)	NA	268.42(w) DEA	
	High TOC Ignitable Liquids (>10 wt% TOC)	NA		NGS FSUBS. or INCIN X
2	Corrosives, all subcategories & CA list	268.42(4) DEACT		
14	Arsenic (As)	268.43(a)	268.41(a)	Variance until 5~8
)5 ^*	Berium (Ba)	268.43(a)	268.41(a) 268.41(a)	-
0 <b>6</b> 07	Cadmium (Cd) Chremium (Cr)	268.43(a) 268.43(a)	288.41W	
نغ	Lead 9-01	788.43(II	A 288.41(a)	
5 <del>5.</del>	LOW Mercury Subcategory (<260 ppm Hg)	208.43(2)	268.41W	Variance until 5-8
	High Mercury Subcategory (>=260 ppm Hg)	268.43(a)	268.42(a) RMI	ERC Variance until 5-9
10	Selenium (Se)	268.43(4)	268.41(a)	
11 er Codes	Silver (Ag) See attachment for supplemental list	268.43(4)	268,41(a)	
	···		EPA ID: ILDOSOO18	1914
	erator Name: CERRO COPPER erator Regressentative Signature:	W. H		
	ne & Title of Representative: John W	STAPLES	ENUVE.	Enle
Nar	HE & HUS OF HEPPESSINGLIVE			
	sty~Klean Sample Number: 089822	Control	Number: 00	060222

· 1000年11日日本中国中国中国



P.O. Box 66800 St. Louis, MO 63166-6800 618/337-6000

Certified Mail

December 3, 1992

Ms. Deanne Virgin
Compliance Unit
Planning and Reporting Section
Illinois Environmental Protection Agency
2200 Churchill Road
P.O. Box 19276
Springfield, Illinois 62794-9276

Re: Response to Compliance Inquiry Letter 1631210008-St. Clair County Cerro Copper Products Co Sauget, Illinois ILD080018914

Dear Ms. Virgin:

In response to your November 19, 1992 Compliance Inquiry Letter, enclosed you will find two copies of Cerro's explanation and documentation of compliance to the alleged violations noted during the IEPA's October 20, 1992 inspection.

I. 35 Ill. Adm. Code 722.134 (a)(2)&(3) - Unlabeled Drums

Cerro recognizes that there were two drums stored in the contaminated waste oil storage area which were not properly labeled. Apparently the labels had fallen off, since one of the labels was found on the ground near the drums. Cerro plans to reinforce the importance of labeling with those employees responsible for the storage area. The storage procedures will be posted in the storage area office for frequent review by employees and a sign will be erected outlining the storage requirements including labeling requirements as a reminder. A copy of the posted procedures and a draft of the wording on the sign are found in Appendix A. The sign is expected to be completed by 12/15/92.

A copy of the Contingency, Emergency Response & Preparedness Plan is found in Appendix B. The hospital emergency arrangements during medical emergencies is outlined in Section IV, page 3 of the Plan. Cerro has a nurse on staff and a well equipped medical dispensary on its premises.

III.35 Ill. Adm. Code 725.152(e) - Emergency Equipment Included In Contingency Plan

A copy of the updated Contingency Plan showing the location and

CERRO COPPER PRODUCTS CO.

type of emergency equipment is found in Appendix B.

IV. 35 Ill. Adm. Code 725.153(b) - Contingency Plan Copy to the
 Police, Fire Dept., Hospitals and Local Emergency Coordinator

Cerro's Contingency, Emergency Response & Preparedness Plan was submitted to those agencies listed above on October, 26, 1992. Documentation of receipt is found in Appendix C.

V. 35 Ill. Adm. Code 725.294 - Hazardous Waste Oil Tank Freeboard
And Spill Control

A high level alarm system will be installed by 1/1/93 to prevent the overfilling of the waste oil tank and to indicate to the operator that filling is to be discontinued to allow for free-board. This open topped tank is filled manually without the use of pumps. To prevent the unauthorized filling of the tank and to keep windblown rain from causing overflow, a metal door will be installed along the west side of the tank. The installation of the door is expected to be completed by 1/15/92, weather permitting.

VI. 35 Ill. Adm. Code 725.295(a) - Hazardous Waste Oil Tank Daily Inspections

A copy of the revised hazardous waste storage daily inspection form is found in Appendix D. The new form covers those items in 725.295(a)(1-4). The usage of the new inspection began on 12/3/92.

VII.35 Ill. Adm. Code 728.107(a)(6) - Land Ban Certification On-Site Copies Retention

A copy of the Land Disposal Restriction notification forms for those missing form our files have been obtained from the disposal site. Copies are found in Appendix E.

If your should have any questions, please do not hesitate to phone this office.

Very truly yours,

CERRO COPPER PRODUCTS CO

Joseph M. Grana

Manager of Environmental

**Energy Affairs** 

cc: Chris Cahnovsky (IEPA-Collinsville)

bcc: P. Tandler (w/o attachments)

R. E. Conreaux

J. D. Burroughs (w/attachments)

### APPENDIX A DRUM STORAGE PROCEDURES

### HAZARDOUS WASTE STORAGE AREA REQUIREMENTS

Cerro is allowed to store hazardous waste for a period not to exceed 90 days without having a permit. However the guidelines below must be followed for the storage area.

#### A. Contaminated Waste Oil Tank

- 1. The contaminated waste oil tank containment area must be maintained free of oil.
  - 2. Daily inspections must be made and recorded daily.
- 3. If a spill should occur into the containment the material must be removed within 24 hours.
- 4. The tank and/or the area around the tank must be clearly marked "Hazardous Waste". (265.34(a)(3)
- 5. The spill and overflow alarm system must be in working order.
- 6. The tank must not be leaking or rusting and must never be overfilled.

### B. Drum Storage

- 1. All drums holding hazardous waste must be in good condition. Leaking containers must have their contents transferred to another container.
- 2. A drums holding hazardous waste must always be closed except when removing or adding waste.
- 3. A drums holding hazardous waste must not be handled in such a way as to cause it to rupture or leak. Do not stack more than two high and always use pallets when stacking.
  - 4. The drum storage area must be inspected weekly.
- 5. The date upon which accumulation begins must be clearly marked on the drum. This date is the date the waste is placed in the storage area after using the Chlorine test kit to determine if it is contaminated with solvent.
- 6. The drums is clearly marked "Hazardous Waste". Use the red labels provided. Clean the area to be labeled because it will not stick to an oily surface. Remove the label once the waste is removed from the drum.

### APPENDIX B CONTINGENCY, EMERGENCY RESPONSE & PREPAREDNESS PLAN